

10/632, 688

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID: sssptal611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Feb 2 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Dec 17 Expanded CAplus Coverage of US, Japanese, WIPO,  
EPO, and German patents  
NEWS 3 Feb 1 Addition of Machine-Translated Abstracts to CAplus  
NEWS 4 Feb 28 Patent Information Now Searchable in CAOLD  
SDI/UPDATE SEARCH FIELD  
NEWS 5 May 1 Beilstein Abstracts on STN - FILE BABS  
NEWS 6 May 1 RN CROSSOVER AND ANSWER SIZE LIMITS INCREASED  
NEWS 7 May 1 AIDSLINE has been reloaded  
NEWS 8 May 1 Searching Y2-K compliant Patent Numbers  
NEWS 9 May 9 Sequence Similarity Batch Search in DGENE  
NEWS 10 May 19 Weekly Statistics for New Entries now available  
in INPADOC  
NEWS 11 May 22 CITED REFERENCES NOW AVAILABLE IN CAPLUS AND CA FILE  
NEWS 12 May 22 POSTPROCESSING OF SEARCH RESULTS MAY BE AFFECTED  
BY ADDITION OF CITED REFERENCES TO CAPLUS, CA,  
REGISTRY, CASREACT, MARPAT, and MARPATPREV  
NEWS 13 Jun 2 KOREAN PATENTS NOW IN CAS DATABASES  
NEWS 14 Jun 20 WIPO/PCT Patents Fulltext Database now on STN  
NEWS 15 Jun 28 NEWS 15 Jun 28 CAS covers Web-distributed preprints

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FILE 'HOME' ENTERED AT 19:21:31 ON 16 JUL 2000

=> file req

COST IN U.S. DOLLARS

SINCE FILE ENTRY	0.15	TOTAL SESSION	0.15
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FILE 'REGISTRY' ENTERED AT 19:21:37 ON 16 JUL 2000

10/632, 688

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DICTIONARY FILE UPDATES: 14 JUL 2000 HIGHEST RN 277739-89-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

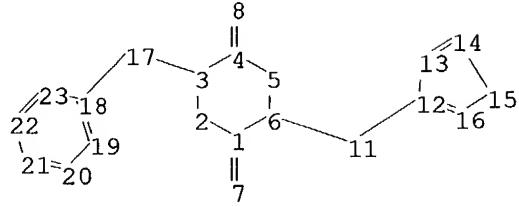
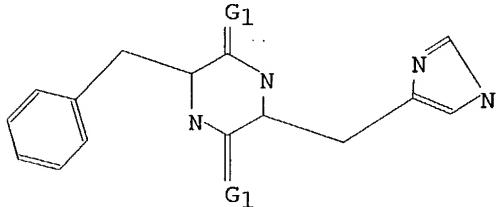
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT  
for details.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>  
Uploading c:\stnexp4\queries\09440316.str



L1 STRUCTURE UPLOADED

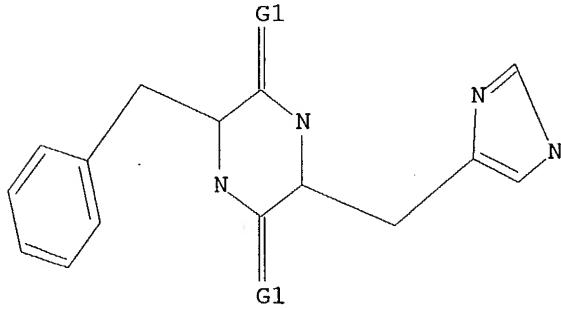
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

10/632,688

=> s ll sss sam

SAMPLE SEARCH INITIATED 19:22:13 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 141 TO ITERATE

100.0% PROCESSED 141 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2108 TO 3532  
PROJECTED ANSWERS: 1 TO 80

L3 1 SEA SSS SAM LL

=> d sacn

'SACN' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PAT5 -- PI, SO  
STD -- BIB, IPC, and NCL  
  
IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations

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SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.

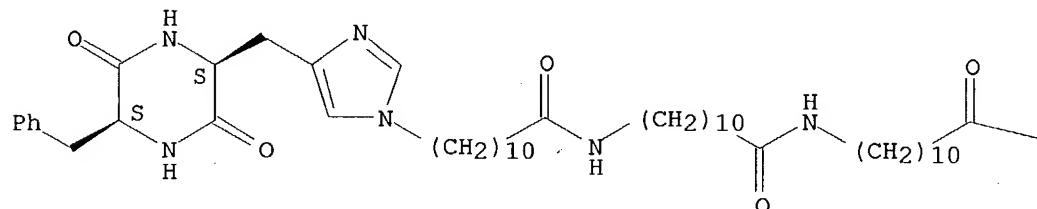
ENTER DISPLAY FORMAT (IDE):end

=> d scan

L3 1 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN 1H-Imidazole-1-undecanamide, N-[11-[[11-[(11-amino-11-oxoundecyl)amino]-11-oxoundecyl]amino]-11-oxoundecyl]-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI)  
MF C59 H100 N8 O6

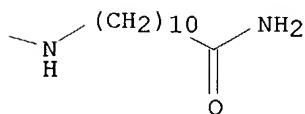
Absolute stereochemistry.

PAGE 1-A



c

PAGE 1-B



ALL ANSWERS HAVE BEEN SCANNED

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=> s 11 sss ful

FULL SEARCH INITIATED 19:22:49 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 2752 TO ITERATE

100.0% PROCESSED 2752 ITERATIONS 41 ANSWERS  
SEARCH TIME: 00.00.01

L4 41 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	126.60	126.75

FILE 'CPLUS' ENTERED AT 19:23:02 ON 16 JUL 2000  
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FILE COVERS 1967 - 16 Jul 2000 VOL 133 ISS 4  
FILE LAST UPDATED: 14 Jul 2000 (20000714/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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=> s 14

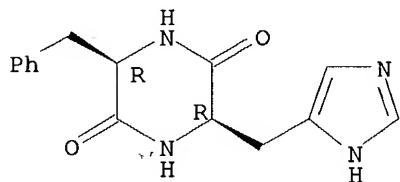
L5 87 L4

=> d 15 1-87 bib hitstr

LS ANSWER 1 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 2000:392983 CAPLUS  
 DN 133:17465  
 TI Method for recovering (3R,6R)-3-benzyl-6-(4-imidazolylmethyl)-2,5-piperazinedione as addition reaction catalyst  
 IN Uegaki, Masatoshi; Shimazu, Yasuki; Senno, Kunitake  
 PA Sumitomo Chemical Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

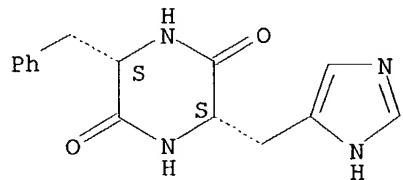
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000159739	A2	20000613	JP 1998-342780	19981202
OS	CASREACT 133:17465				
IT	<b>93301-56-5P, (3R,6R)-3-Benzyl-6-(4-imidazolylmethyl)-2,5-piperazinedione</b>				
	RL: CAT (Catalyst use); PUR (Purification or recovery); PREP (Preparation); USES (Uses)				
	(method for recovering (3R,6R)-3-benzyl-6-(4-imidazolylmethyl)piperazinedione as addition reaction catalyst for 3-phenoxybenzaldehyde and HCN)				
RN	93301-56-5 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



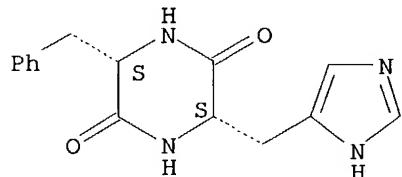
L5 ANSWER 2 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 2000:231716 CAPLUS  
DN 132:347909  
TI Laser flash photolysis study of cyclic-Phe-His in aqueous solution  
AU Chu, Gaosheng; Song, Qinhua; Wang, Zhongyi; Ge, Xuewu; Zhang, Zhicheng;  
Wang, Wenfeng; Yao, Side  
CS Department of Applied Chemistry, University of Science and Technology of  
China, Hefei, 230026, Peop. Rep. China  
SO Wuli Huaxue Xuebao (2000), 16(3), 232-237  
CODEN: WHXUEU; ISSN: 1000-6818  
PB Beijing Daxue Chubanshe  
DT Journal  
LA Chinese  
IT **56586-95-9P**  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(laser flash photolysis study of cyclic phenylalanine-histidine in aqueous  
solution)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 3 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 2000:130524 CAPLUS  
 DN 132:322138  
 TI Asymmetric alcoholysis of 2-phenyl-5(4H)-oxazolones by the catalytic mixture of cyclo[(S)-His-(S)-Phe] with chiral auxiliaries  
 AU Xie, Lunjia; Hua, Wenting; Chan, Albert S. C.; Leung, Yun-Chang  
 CS Department of Chemistry, Peking University, Beijing, 100871, Peop. Rep. China  
 SO Tetrahedron: Asymmetry (1999), 10(24), 4715-4728  
 CODEN: TASYE3; ISSN: 0957-4166  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 OS CASREACT 132:322138  
 IT **56586-95-9P**  
 RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);  
 USES (Uses)  
 (asym. alcoholysis-mediated ring opening of racemic-2-phenyl-4-  
 benzylloxazolone by the catalytic mixture of cyclo[(S)-His-(S)-Phe] with  
 chiral auxiliaries)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 27

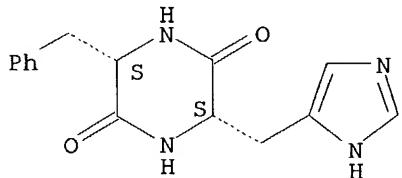
RE

- (2) Belokon, Y; Izv Akad Nauk, Ser Khim 1992, V3, P536 CAPLUS
- (3) Bevinakatti, H; J Chem Soc, Chem Commun 1990, P1091 CAPLUS
- (4) Bevinakatti, H; Tetrahedron: Asymmetry 1992, V3, P1505 CAPLUS
- (5) Callant, D; Tetrahedron: Asymmetry 1992, V3, P401 CAPLUS
- (6) Callant, D; Tetrahedron: Asymmetry 1992, V3, P401 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

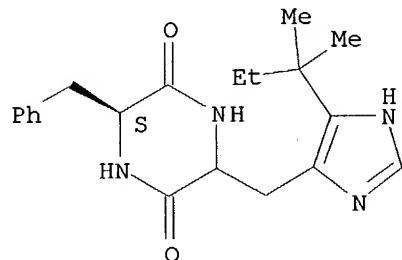
L5 ANSWER 4 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1999:485974 CAPLUS  
 DN 131:257852  
 TI Synthesis and biological activities of phenylahistin derivatives  
 AU Kanoh, Kaneo; Kohno, Shinkichi; Katada, Jun; Takahashi, Junko; Uno, Isao;  
 Hayashi, Yoshio  
 CS Life Science Research Center, Advanced Technology Research Laboratories,  
 Nippon Steel Corporation, Kawasaki, 211-0035, Japan  
 SO Bioorg. Med. Chem. (1999), 7(7), 1451-1457  
 CODEN: BMECEP; ISSN: 0968-0896  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 IT **56586-95-9**  
 RL: BAC (Biological activity or effector, except adverse); BIOL  
 (Biological study)  
 (synthesis and anti-microtubule activities of phenylahistin derivs.)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



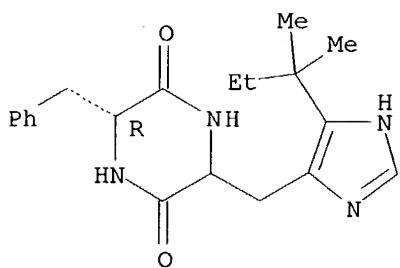
IT **244773-57-7P 244773-58-8P**  
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (synthesis and anti-microtubule activities of phenylahistin derivs.)  
 RN 244773-57-7 CAPLUS  
 CN 2,5-Piperazinedione, 3-[[5-(1,1-dimethylpropyl)-1H-imidazol-4-yl]methyl]-6-(phenylmethyl)-, (6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 244773-58-8 CAPLUS  
 CN 2,5-Piperazinedione, 3-[[5-(1,1-dimethylpropyl)-1H-imidazol-4-yl]methyl]-6-(phenylmethyl)-, (6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 12

RE

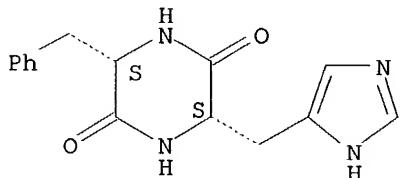
- (2) Bond, R; Synthetic Commun 1989, V19, P2551 CAPLUS
- (5) Johnson, K; J Mol Biol 1977, V117, P1 CAPLUS
- (6) Kanoh, K; Bioorg Med Chem Lett 1997, V7, P2847 CAPLUS
- (8) Kanoh, K; J Antibiotics 1999, V52, P134 CAPLUS
- (10) Liwo, A; Tetrahedron Lett 1985, V26, P1873 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/632,688

L5 ANSWER 5 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1999:258729 CAPLUS  
DN 131:5512  
TI Energy partitioning in the surface-induced dissociation of linear and cyclic protonated peptides at an organic surface  
AU Schultz, D. G.; Lim, H.; Garbis, S.; Hanley, L.  
CS Department of Chemistry, University of Illinois at Chicago, Chicago, IL, 60607-7061, USA  
SO J. Mass Spectrom. (1999), 34(3), 217-225  
CODEN: JMSPFJ; ISSN: 1076-5174  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English  
IT 56586-95-9  
RL: PRP (Properties)  
(energy partitioning in the surface-induced dissociation of linear and cyclic protonated peptides at an organic surface)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



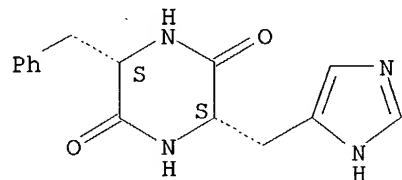
RE.CNT 36

- RE
- (1) Ada, E; Int J Mass Spectrom Ion Processes 1998, V174, P231 CAPLUS
  - (3) Ast, T; J Mass Spectrom 1996, V31, P791 CAPLUS
  - (4) Ast, T; Org Mass Spectrom 1993, V28, P1021 CAPLUS
  - (5) Aubagnac, J; Tetrahedron Lett 1983, V24, P2263 CAPLUS
  - (6) Beck, R; J Chem Phys 1996, V104, P3638 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1999:140102 CAPLUS  
 DN 130:267857  
 TI Synthesis and characterization of novel chiral liquid crystalline polysiloxanes  
 AU Day, G. M.; Kim, H. J.; Jackson, W. R.; Simon, G. P.  
 CS Chem. Dep., Monash Univ., Clayton, 3168, Australia  
 SO Acta Polym. (1999), 50(2-3), 96-104  
 CODEN: ACPODY; ISSN: 0323-7648  
 PB Wiley-VCH Verlag GmbH  
 DT Journal  
 LA English  
 IT **56586-95-9**  
 RL: RCT (Reactant)  
 (preparation of liquid-crystalline alkenyloxybenzoates containing chiral cyanohydrin moiety for modification of polysiloxanes)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 37

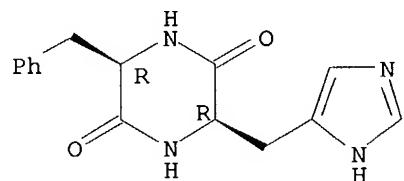
RE

- (1) Attard, G; J Molec Electron 1986, V2, P107 CAPLUS
- (2) Attard, G; Liq Cryst 1986, V1, P253 CAPLUS
- (3) Attard, G; Makromol Chem 1987, V188, P2769 CAPLUS
- (4) Attard, G; Polymer 1986, V27, P185 CAPLUS
- (6) Brown, R; Tetrahedron 1994, V50, P13739 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

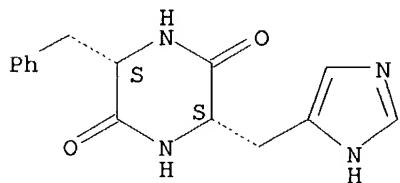
L5 ANSWER 7 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1998:446697 CAPLUS  
DN 129:149219  
TI Examination and Enhancement of Enantioselective Autoinduction in Cyanohydrin Formation by Cyclo[(R)-His-(R)-Phe]  
AU Kogut, Eugene F.; Thoen, Jason C.; Lipton, Mark A.  
CS Department of Chemistry, Purdue University, West Lafayette, IN, 47907, USA  
SO J. Org. Chem. (1998), 63(14), 4604-4610  
CODEN: JOCEAH; ISSN: 0022-3263  
PB American Chemical Society  
DT Journal  
LA English  
IT 93301-56-5  
RL: CAT (Catalyst use); USES (Uses)  
(examination and enhancement of enantioselective autoinduction in cyanohydrin formation by cyclo(histidylphenylalanine))  
RN 93301-56-5 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



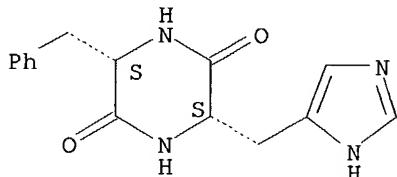
L5 ANSWER 8 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1998:223672 CAPLUS  
 DN 128:317230  
 TI Intestinal absorption of stable cyclic dipeptides by the oligopeptide transporter in rat  
 AU Mizuma, Takashi; Masubuchi, Satoshi; Awazu, Shoji  
 CS Department of Biopharmaceutics and Drug Rational Research Center, School of Pharmacy, Tokyo University of Pharmacy and Life Science, Tokyo, 192-03, Japan  
 SO J. Pharm. Pharmacol. (1998), 50(2), 167-172  
 CODEN: JPPMAB; ISSN: 0022-3573  
 PB Royal Pharmaceutical Society of Great Britain  
 DT Journal  
 LA English  
 IT **56586-95-9**, Cyclohistidylphenylalanine  
 RL: BPR (Biological process); BIOL (Biological study); PROC (Process)  
 (intestinal absorption of stable cyclic dipeptides by the oligopeptide transporter in rat)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



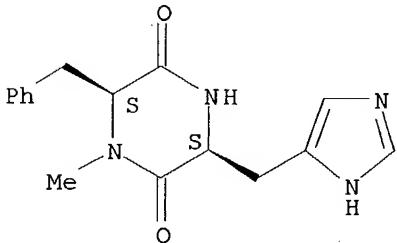
L5 ANSWER 9 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1998:19992 CAPLUS  
 DN 128:102367  
 TI The effects of N-methylation on the enantioselectivity of catalysis by cyclo[(R)-His-(R)-Phe]  
 AU Thoen, Jason C.; Lipton, Mark A.  
 CS Department of Chemistry, Purdue University, West Lafayette, IN, 47907, USA  
 SO Tetrahedron: Asymmetry (1997), 8(23), 3947-3954  
 CODEN: TASYE3; ISSN: 0957-4166  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 IT 56586-95-9  
 RL: CAT (Catalyst use); USES (Uses)  
 (effects of N-methylation on the enantioselectivity of catalysis by cyclo(histidylphenylalanine))  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



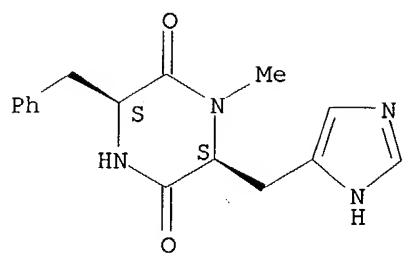
IT 192064-81-6P 192064-82-7P  
 RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);  
 USES (Uses)  
 (effects of N-methylation on the enantioselectivity of catalysis by cyclo(histidylphenylalanine))  
 RN 192064-81-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-1-methyl-6-(phenylmethyl)-,  
 (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



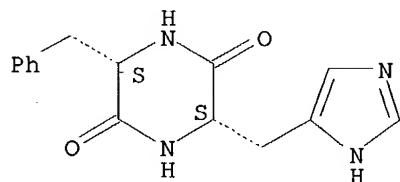
RN 192064-82-7 CAPLUS  
 CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-1-methyl-3-(phenylmethyl)-,  
 (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



L5 ANSWER 10 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1997:530849 CAPLUS  
DN 127:205871  
TI Synthesis of dipeptides by suspension-to-suspension conversion via thermolysin catalysis: from analytical to preparative scale  
AU Eichhorn, U.; Bommarius, A. S.; Drauz, K.; Jakubke, H.-D.  
CS Degussa AG, ZN Wolfgang, Hanau, Germany  
SO J. Pept. Sci. (1997), 3(4), 245-251  
CODEN: JPSIEI; ISSN: 1075-2617  
PB Wiley  
DT Journal  
LA English  
IT **56586-95-9P**, Cyclo(histidylphenylalanine)  
RL: BPN (Biosynthetic preparation); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of dipeptides by suspension-to-suspension conversion via thermolysin catalysis)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 11 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1997:465950 CAPLUS

DN 127:162097

TI Catalytic enantioselective addition of hydrogen cyanide to benzaldehyde and p-methoxybenzaldehyde using cyclo-His-( $\alpha$ -Me)Phe as catalyst

AU Hulst, Ron; Broxterman, Quirinus B.; Kamphuis, Johan; Formaggio, Fernando; Crisma, Marco; Toniolo, Claudio; Kellogg, Richard M.

CS Dep. Organic and Molecular Inorganic Chem., Groningen Center Synthesis and Catalysis, Univ. Groningen, Groningen, 9747 AG, Neth.

SO Tetrahedron: Asymmetry (1997), 8(12), 1987-1999  
CODEN: TASYE3; ISSN: 0957-4166

PB Elsevier

DT Journal

LA English

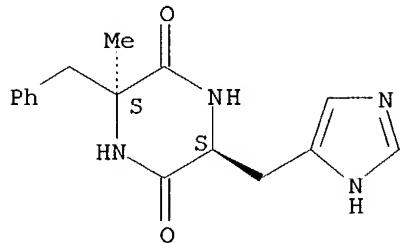
IT 192064-83-8P 193808-38-7P

RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);  
USES (Uses)(enantioselective hydrocyanation of benzaldehyde and  
p-methoxybenzaldehyde with cyclo-His-( $\alpha$ -Me)Phe as catalyst)

RN 192064-83-8 CAPLUS

CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-3-methyl-3-(phenylmethyl)-  
, (3S-cis)- (9CI) (CA INDEX NAME)

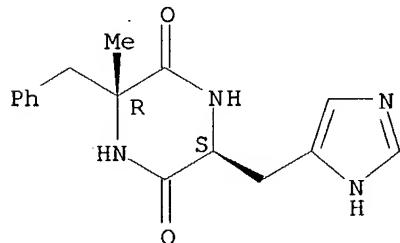
Absolute stereochemistry. Rotation (-).



RN 193808-38-7 CAPLUS

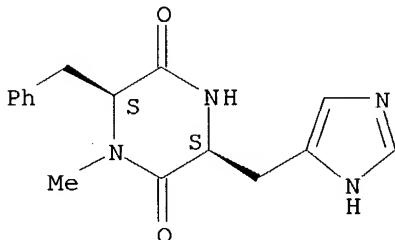
CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-3-methyl-3-(phenylmethyl)-  
, (3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



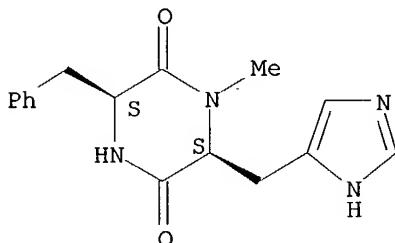
L5 ANSWER 12 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1997:366191 CAPLUS  
 DN 127:95601  
 TI Studies on cyclic dipeptides. Part 2. Methylated derivatives of cyclo-[Phe-His]  
 AU Noe, C. R.; Weigand, A.; Pirker, S.; Liepert, P.  
 CS Institut Pharmazeutische Chemie, Johann-Wolfgang-Goethe-Universitat,  
 Frankfurt/Main, D-60439, Germany  
 SO Monatsh. Chem. (1997), 128(3), 301-316  
 CODEN: MOCMB7; ISSN: 0026-9247  
 PB Springer  
 DT Journal  
 LA English  
 OS CASREACT 127:95601  
 IT 192064-81-6P 192064-82-7P 192064-83-8P  
 192064-85-0P 192064-86-1P 192064-87-2P  
 RL: CAT (Catalyst use); PRP (Properties); SPN (Synthetic preparation);  
 PREP (Preparation); USES (Uses)  
 (preparation and conformation of methylated cyclo-[Phe-His] derivs. as asym.  
 hydrocyanation catalysts)  
 RN 192064-81-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-1-methyl-6-(phenylmethyl)-  
 , (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



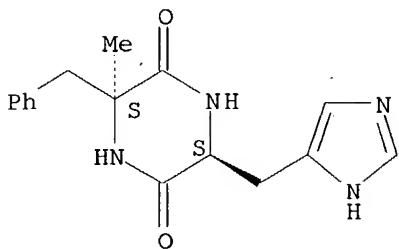
RN 192064-82-7 CAPLUS  
 CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-1-methyl-3-(phenylmethyl)-  
 , (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 192064-83-8 CAPLUS  
 CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-3-methyl-3-(phenylmethyl)-  
 , (3S-cis)- (9CI) (CA INDEX NAME)

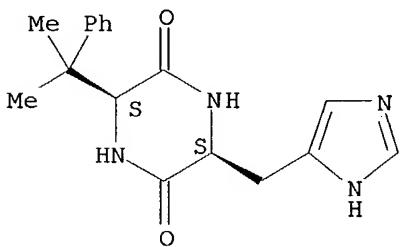
Absolute stereochemistry. Rotation (-).



RN 192064-85-0 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(1-methyl-1-phenylethyl)-, (3S-cis)-(9CI) (CA INDEX NAME)

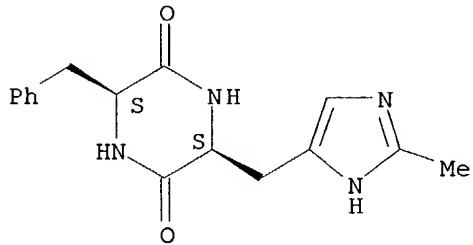
Absolute stereochemistry. Rotation (-).



RN 192064-86-1 CAPLUS

CN 2,5-Piperazinedione, 3-[(2-methyl-1H-imidazol-4-yl)methyl]-6-(phenylmethyl)-, (3S-cis)-(9CI) (CA INDEX NAME)

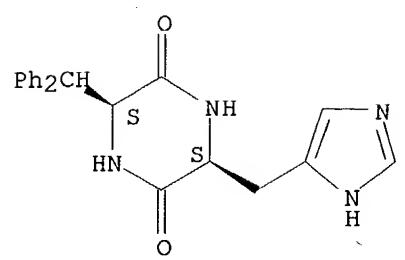
Absolute stereochemistry. Rotation (-).



RN 192064-87-2 CAPLUS

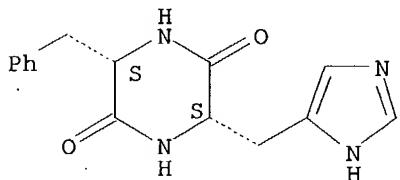
CN 2,5-Piperazinedione, 3-(diphenylmethyl)-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



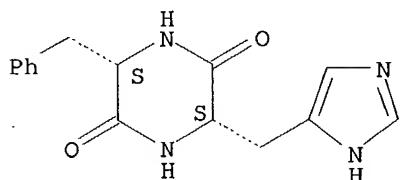
L5 ANSWER 13 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1997:266860 CAPLUS  
DN 127:5348  
TI Studies on cyclic dipeptides. Part 1. Aryl modifications of cyclo-[Phe-His]  
AU Noe, R. C.; Weigand, A.; Pirker, S.  
CS Inst. Pharmazeutische Chemie, Johann-Wolfgang-Goethe-Univ., Frankfurt/Main, D-60439, Germany  
SO Monatsh. Chem. (1996), 127(10), 1081-1097  
CODEN: MOCMB7; ISSN: 0026-9247  
PB Springer  
DT Journal  
LA English  
IT 56586-95-9  
RL: CAT (Catalyst use); PRP (Properties); USES (Uses)  
(mechanistic study of cyclic dipeptides as stereoselective hydrocyanation catalysts)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



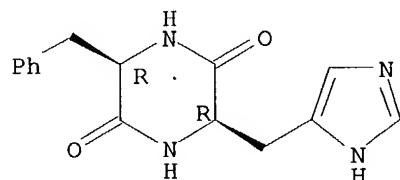
L5 ANSWER 14 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1996:215546 CAPLUS  
 DN 125:11423  
 TI Asymmetric hydrocyanation of aldehydes with cyclo-dipeptides: a new mechanistic approach  
 AU Shvo, Youval; Gal, Meir; Becker, Yigal; Elgavi, Asher  
 CS Sch. Chem., Tel Aviv Univ., Tel Aviv-Jaffa, 69978, Israel  
 SO Tetrahedron: Asymmetry (1996), 7(3), 911-24  
 CODEN: TASYE3; ISSN: 0957-4166  
 DT Journal  
 LA English  
 IT **56586-95-9**  
 RL: CAT (Catalyst use); USES (Uses)  
 (kinetics and mechanism of aldehyde hydrocyanation with cyclodipeptide catalyst)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



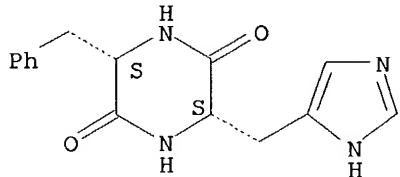
IT **93301-56-5**  
 RL: PRP (Properties)  
 (microscopic structure of)  
 RN 93301-56-5 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



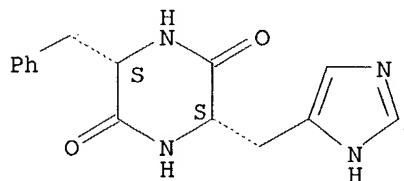
L5 ANSWER 15 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1996:72025 CAPLUS  
DN 124:260525  
TI Synthesis of  $\alpha$ -cyano-3-phenoxybenzyl alcohols and determination of their optical purity  
AU Tong, Yuejin; Chen, Shouzheng; Ding, Mengxian  
CS Fujian Normal Univ., Peop. Rep. China  
SO Fujian Shifan Daxue Xuebao, Ziran Kexueban (1994), 10(4), 71-4  
CODEN: FSDKES; ISSN: 1000-5277  
DT Journal  
LA Chinese  
IT 56586-95-9  
RL: CAT (Catalyst use); USES (Uses)  
(synthesis of  $\alpha$ -cyano-3-phenoxybenzyl alcs. and determination of their optical purity)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



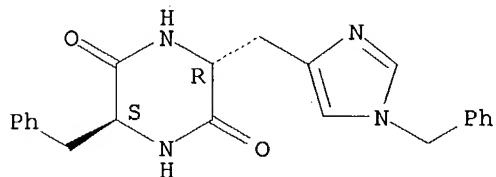
L5 ANSWER 16 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1995:809920 CAPLUS  
DN 124:9432  
TI The catalytically active conformation of cyclo-[*(S)*-his-*(S)*-Phe] as determined by solid state NMR  
AU Apperley, David; North, Michael; Stokoe, Robert B.  
CS Industrial Research Laboratory, Univ. of Durham, Durham, DH1 3LE, UK  
SO Tetrahedron: Asymmetry (1995), 6(8), 1869-72  
CODEN: TASYE3; ISSN: 0957-4166  
DT Journal  
LA English  
IT **56586-95-9**, Cyclo(histidylphenylalanine)  
RL: PRP (Properties)  
(conformation of cyclo(histidylphenylalanine) by solid state NMR)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3*S*,6*S*)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



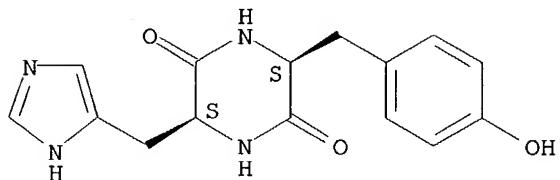
L5 ANSWER 17 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1995:653983 CAPLUS  
 DN 123:332562  
 TI Attenuation of alcohol-induced hypothermia by cyclo(His-Pro) and its  
 analogs  
 AU Carlton, J.; Khan, S. I.; Haq, W.; Mizuma, H.; Ragan, F. A., Jr.; Mathur,  
 K. B.; Shukla, R.; Srimal, R. C.; Prasad, C.  
 CS Medical Center, Louisiana State Univ., New Orleans, LA, USA  
 SO Neuropeptides (Edinburgh) (1995), 28(6), 351-5  
 CODEN: NRPPDD; ISSN: 0143-4179  
 DT Journal  
 LA English  
 IT **165897-56-3**  
 RL: BAC (Biological activity or effector, except adverse); PRP  
 (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (attenuation of alc.-induced hypothermia by cyclo(His-Pro) and its  
 analogs)  
 RN 165897-56-3 CAPLUS  
 CN 2,5-Piperazinedione, 3-(phenylmethyl)-6-[(1-(phenylmethyl)-1H-imidazol-4-  
 yl)methyl]-, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



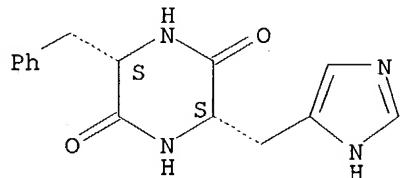
L5 ANSWER 18 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1995:517666 CAPLUS  
DN 123:257372  
TI Structure-lipophilicity and structure-polarity relationships of amino acids and peptides  
AU Vallat, Philippe; Gaillard, Patrick; Carrupt, Pierre-Alain; Tsai, Ruey-Shiuan; Testa, Bernard  
CS Inst. Chim. Therapeutique, Univ. Lausanne, Lausanne-Dorigny, CH-1015, Switz.  
SO Helv. Chim. Acta (1995), 78(2), 471-85  
CODEN: HCACAV; ISSN: 0018-019X  
DT Journal  
LA English  
IT 16944-42-6  
RL: PRP (Properties)  
(structure-lipophilicity and structure-polarity relationships of amino acids and peptides)  
RN 16944-42-6 CAPLUS  
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



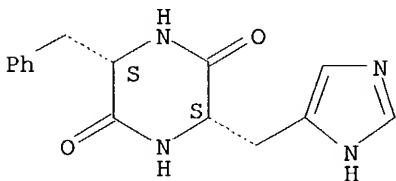
L5 ANSWER 19 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1995:262742 CAPLUS  
 DN 122:105510  
 TI Synthetic applications of optically active cyanohydrins. Enantioselective syntheses of the hydroxy amides tembamide and aegeline, the cardiac drug denopamine, and some analogs of the bronchodilator salbutamol  
 AU Brown, Roger F. C.; Donohue, Andrew C.; Jackson, W. Roy; McCarthy, Tom D.  
 CS Department Chemistry, Monash University, Clayton, 3168, Australia  
 SO Tetrahedron (1994), 50(48), 13739-52  
 CODEN: TETRAB; ISSN: 0040-4020  
 DT Journal  
 LA English  
 OS CASREACT 122:105510  
 IT **56586-95-9**  
 RL: RCT (Reactant)  
 (stereoselective preparation of hydroxy amides from aldehydes via stereoselective hydrocyanation)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



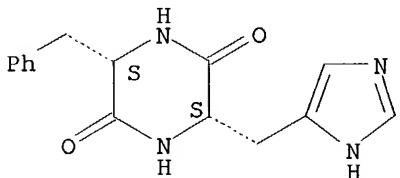
L5 ANSWER 20 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1995:262180 CAPLUS  
 DN 122:36854  
 TI Sol-gel glass with enantioselective catalytic activity  
 AU Shvo, Youval; Becker, Yigal; Gal, Meir  
 CS Raymond and Beverly Sackler Faculty Exact Sciences, Tel Aviv University,  
 Tel Aviv, 69978, Israel  
 SO J. Chem. Soc., Chem. Commun. (1994), (23), 2719-20  
 CODEN: JCCCAT; ISSN: 0022-4936  
 DT Journal  
 LA English  
 IT **56586-95-9**  
 RL: CAT (Catalyst use); PEP (Physical, engineering or chemical process);  
 PROC (Process); USES (Uses)  
 (catalyst; cyclo[-(S)-phenylalanyl-(S)-histidyl] entrapped in sol-gel  
 glass for enantioselective catalytic activity)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



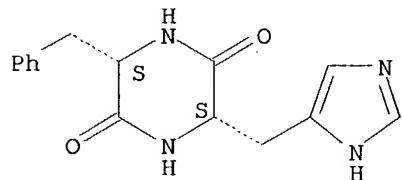
L5 ANSWER 21 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1995:52978 CAPLUS  
 DN 122:105364  
 TI Substituent effects on the enantioselective hydrocyanation of aryl aldehydes  
 AU Kim, Hyun J.; Jackson, W. Roy  
 CS Dep. Chem., Monash Univ., Clayton, 3168, Australia  
 SO Tetrahedron: Asymmetry (1994), 5(8), 1541-8  
 CODEN: TASYE3; ISSN: 0957-4166  
 DT Journal  
 LA English  
 IT 56586-95-9, Cyclo(histidylphenylalanine)  
 RL: CAT (Catalyst use); USES (Uses)  
 (substituent effect on dipeptide-catalyzed hydrocyanation of  
 (alkenyl)benzaldehydes)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



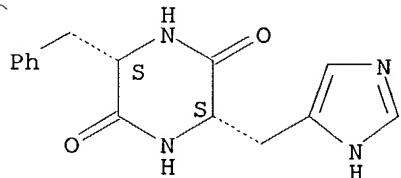
L5 ANSWER 22 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1994:681157 CAPLUS  
DN 121:281157  
TI A conformational study on cyclo[(S)-His-(S)-Phe] by molecular modeling and NMR techniques  
AU North, Michael; Hogg, David J. P.  
CS Dep. Chemistry, Univ. Wales, bangor/Gwynedd, LL57 2UW, UK  
SO Pept. 1992, Proc. Eur. Pept. Symp., 22nd (1993), 949-50. Editor(s): Schneider, Conrad H.; Eberle, Alex N.. Publisher: ESCOM, Leiden, Neth.  
CODEN: 60LUAN  
DT Conference  
LA English  
IT **56586-95-9**, Cyclohistidylphenylalanine  
RL: PRP (Properties)  
(conformation of)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



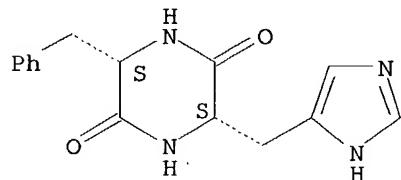
L5 ANSWER 23 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1994:558169 CAPLUS  
DN 121:158169  
TI A conformational comparison of cyclo[(S)-His-(S)-Leu] and  
cyclo[(S)-His-(S)-Phe], catalysts for the asymmetric addition of HCN to  
aldehydes  
AU Hogg, David J. P.; North, Michael; Stokoe, Robert B.  
CS Dep. Chem., Univ. Wales, Bwynedd, LL57 2UW, UK  
SO Tetrahedron (1994), 50(26), 7933-46  
CODEN: TETRAB; ISSN: 0040-4020  
DT Journal  
LA English  
IT 56586-95-9  
RL: PRP (Properties)  
(conformation of)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



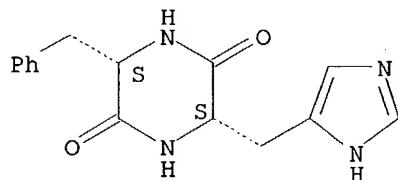
L5 ANSWER 24 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1994:299278 CAPLUS  
DN 120:299278  
TI An improved synthesis of the diketopiperazine catalyst  
cyclo[(S)-His-(S)-Phe]  
AU Iyer, Mani S.; Lipton, Mark A.  
CS Dep. Chem., Purdue Univ., West Lafayette, IN, 47907-1393, USA  
SO Bioorg. Med. Chem. Lett. (1993), 3(10), 2061-2  
CODEN: BMCLE8; ISSN: 0960-894X  
DT Journal  
LA English  
OS CASREACT 120:299278  
IT **56586-95-9P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, by improved method)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



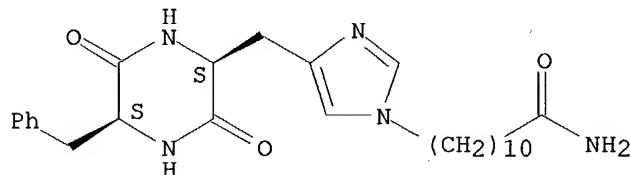
L5 ANSWER 25 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1994:298171 CAPLUS  
 DN 120:298171  
 TI Asymmetric hydrocyanation of 3-phenoxybenzaldehyde catalyzed by polymer-bound cyclic dipeptides  
 AU Song, Choong Eui; Chun, Young Jae; Kim, In O  
 CS Org. Chem. Res. Lab. III, Korea Inst. Sci. Technol., Seoul, 130-650, S. Korea  
 SO Synth. Commun. (1994), 24(1), 103-9  
 CODEN: SYNCAN; ISSN: 0039-7911  
 DT Journal  
 LA English  
 IT **56586-95-9D**, resin-bound **154879-23-9D**, resin-bound  
**154879-24-0D**, resin-bound **154879-25-1D**, resin-bound  
**154879-26-2D**, resin-bound  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalyst, for asym. hydrocyanation of phenoxybenzaldehyde)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



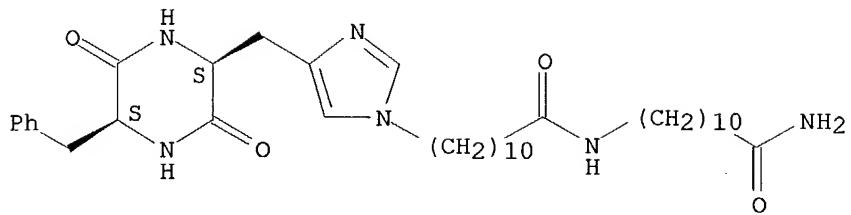
RN 154879-23-9 CAPLUS  
 CN 1H-Imidazole-1-undecanamide, 4-[ [3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 154879-24-0 CAPLUS  
 CN 1H-Imidazole-1-undecanamide, N-(11-amino-11-oxoundecyl)-4-[ [3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

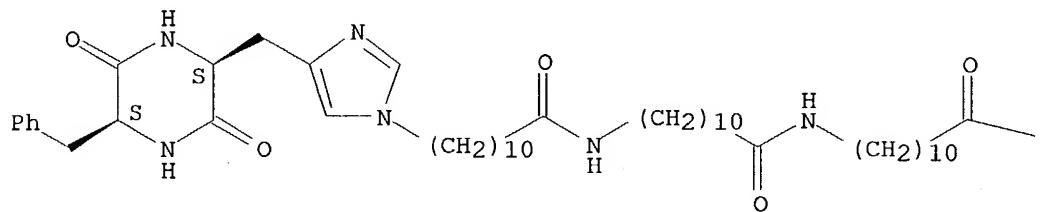


RN 154879-25-1 CAPLUS

CN 1H-Imidazole-1-undecanamide, N-[11-[(11-amino-11-oxoundecyl)amino]-11-oxoundecyl]-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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PAGE 1-B

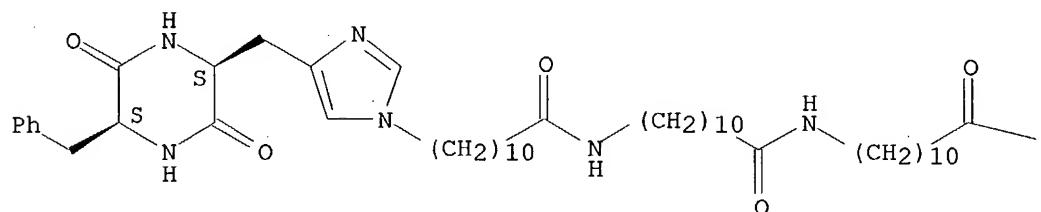
-NH<sub>2</sub>

RN 154879-26-2 CAPLUS

CN 1H-Imidazole-1-undecanamide, N-[11-[[11-[(11-amino-11-oxoundecyl)amino]-11-oxoundecyl]amino]-11-oxoundecyl]-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

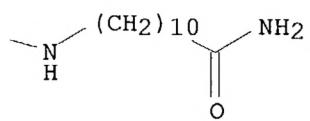
Absolute stereochemistry.

PAGE 1-A



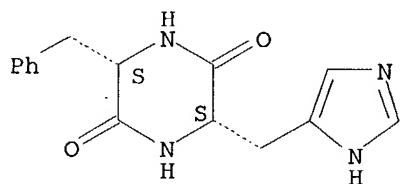
10/632, 688

PAGE 1-B



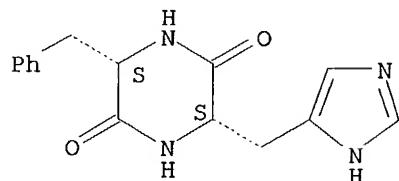
L5 ANSWER 26 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1994:163563 CAPLUS  
DN 120:163563  
TI A synthesis of (-)-denopamine  
AU Brown, Roger F. C.; Jackson, W. Roy; McCarthy, Tom D.  
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia  
SO Tetrahedron: Asymmetry (1993), 4(10), 2149-50  
CODEN: TASYE3; ISSN: 0957-4166  
DT Journal  
LA English  
OS CASREACT 120:163563  
IT **56586-95-9**  
RL: CAT (Catalyst use); USES (Uses)  
(catalyst, a synthesis of (-)-denopamine)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



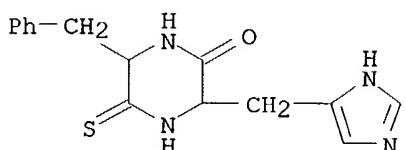
L5 ANSWER 27 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1994:54279 CAPLUS  
 DN 120:54279  
 TI The oxidation of benzaldehyde to benzoic acid catalyzed by cyclo-[*(S)*-His-*(S)*-Phe], and its implications for the catalytic asymmetric addition of hydrogen cyanide to aldehydes  
 AU Hogg, David J. P.; North, Michael; Stokoe, Robert B.; Teasdale, William G.  
 CS Dep. Chem., Univ. Wales, Bangor/Gwynedd, LL57 2UW, UK  
 SO Tetrahedron: Asymmetry (1993), 4(7), 1553-8  
 CODEN: TASYE3; ISSN: 0957-4166  
 DT Journal  
 LA English  
 OS CASREACT 120:54279  
 IT **56586-95-9**  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalysts, for oxidation of benzaldehyde)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 28 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1993:496184 CAPLUS  
 DN 119:96184  
 TI Preparation of cyclic dipeptide derivatives with hydrolysis activity  
 IN Uchino, Masazumi; Ri, Hiroki  
 PA Chisso Corp., Japan  
 SO Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04356482	A2	19921210	JP 1991-28027	19910129
OS	CASREACT 119:96184; MARPAT 119:96184				
IT	<b>149067-48-1P</b>				
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and hydrolyzability of)				
RN	149067-48-1 CAPLUS				
CN	Piperazinone, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-5-thioxo-, (3S-cis)- (9CI) (CA INDEX NAME)				



L5 ANSWER 29 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1993:408514 CAPLUS

DN 119:8514

TI Preparation of optically active 3-phenoxymandelonitrile derivatives

IN Dandan, Hidenori; Nishikawa, Hiroyuki; Otaka, Takeshi

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

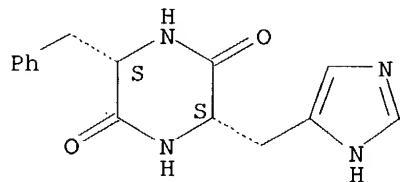
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05009164	A2	19930119	JP 1991-161436	19910702
OS	CASREACT 119:8514; MARPAT 119:8514				
IT	<b>56586-95-9 93301-56-5</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for stereoselective addition of hydrogen cyanide with benzaldehydes to mandelonitriles)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

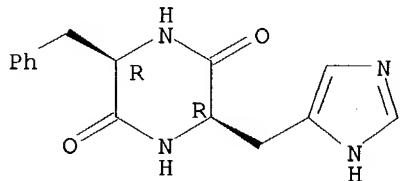
Absolute stereochemistry.



RN 93301-56-5 CAPLUS

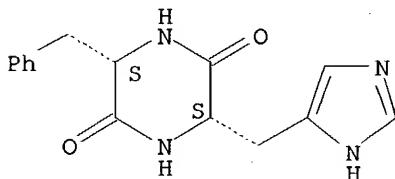
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



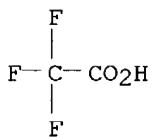
L5 ANSWER 30 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1993:234468 CAPLUS  
 DN 118:234468  
 TI Mechanistic studies on the asymmetric addition of hydrogen cyanide to aldehydes catalyzed by cyclo[(S)-His-(S)-Phe]  
 AU Hogg, David J. P.; North, Michael  
 CS Dep. Chem., Univ. Wales, Bangor/Gwynedd, LL57 2UW, UK  
 SO Tetrahedron (1993), 49(5), 1079-90  
 CODEN: TETRAB; ISSN: 0040-4020  
 DT Journal  
 LA English  
 IT 147600-13-3, Cyclo(histidylphenylalanine) trifluoroacetate  
 RL: PRP (Properties)  
 (mol. structure and conformation of, by NMR)  
 RN 147600-13-3 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S-cis)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 56586-95-9  
 CMF C15 H16 N4 O2  
 CDES \*

Absolute stereochemistry.



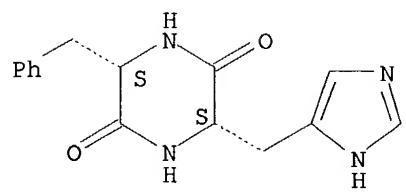
CM 2

CRN 76-05-1  
 CMF C2 H F3 O2



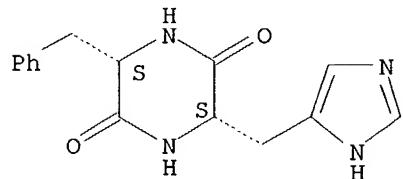
IT 56586-95-9, Cyclo(histidylphenylalanine)  
 RL: PRP (Properties)  
 (mol. structure and conformation of, in presence and absence of acid and hydrogen cyanide, by NMR)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



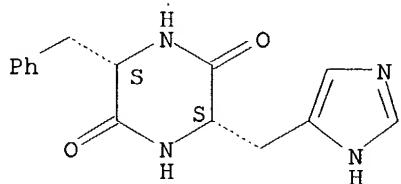
L5 ANSWER 31 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1993:125037 CAPLUS  
DN 118:125037  
TI Spectroscopic characterization of the active form of the 'Inoue' dipeptide  
(cyclo[-(S)-Phe-(S)-His-])  
AU Jackson, W. Roy; Jacobs, Howard A.; Kim, Hyun J.  
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia  
SO Aust. J. Chem. (1992), 45(12), 2073-6  
CODEN: AJCHAS; ISSN: 0004-9425  
DT Journal  
LA English  
OS CASREACT 118:125037  
IT **56586-95-9**  
RL: RCT (Reactant)  
(Fourier-transform IR, solid-state  $^{13}\text{C}$  NMR, and  $^{17}\text{O}$  NMR spectroscopy  
of)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



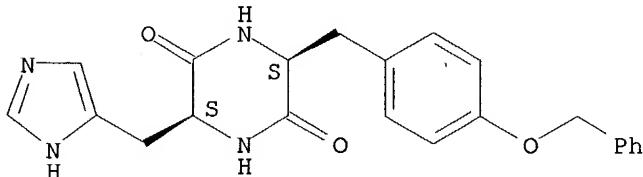
L5 ANSWER 32 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1993:102450 CAPLUS  
 DN 118:102450  
 TI Polymer attached cyclic dipeptides as catalysts for enantioselective cyanohydrin formation  
 AU Kim, Hyun J.; Jackson, W. Roy  
 CS Dep. Chem., Monash Univ., Clayton, 3168, Australia  
 SO Tetrahedron: Asymmetry (1992), 3(11), 1421-30  
 CODEN: TASYE3; ISSN: 0957-4166  
 DT Journal  
 LA English  
 IT **56586-95-9**, Cyclo(histidylphenylalanine) **77935-55-8**  
**118139-78-9**  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalyst, for asym. hydrocyanation of aromatic aldehydes)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



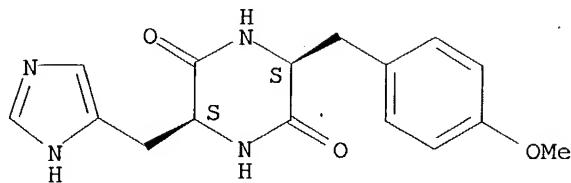
RN 77935-55-8 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[{4-(phenylmethoxy)phenyl]methyl}-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 118139-78-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[{(4-methoxyphenyl)methyl}-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



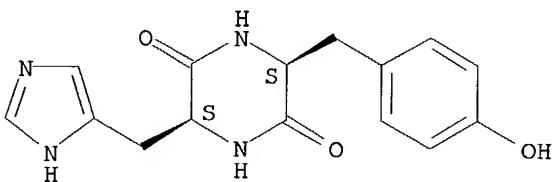
IT 16944-42-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 16944-42-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



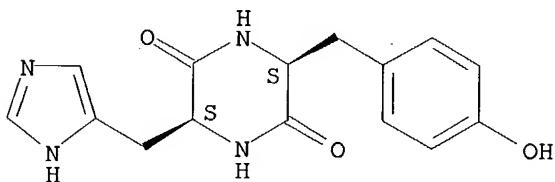
IT 16944-42-6DP, Pr ether with poly(hydrogen, methyl)(dimethyl)siloxane copolymer 146028-55-9DP, ester with chloromethylated polystyrene

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as asym. hydrocyanation catalyst)

RN 16944-42-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

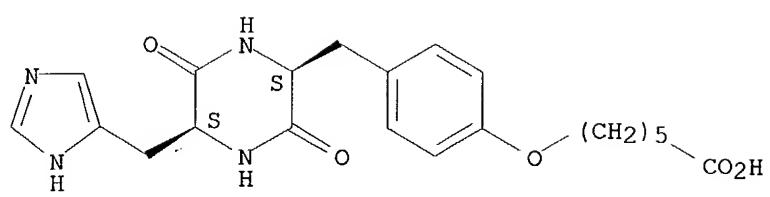
Absolute stereochemistry.



RN 146028-55-9 CAPLUS

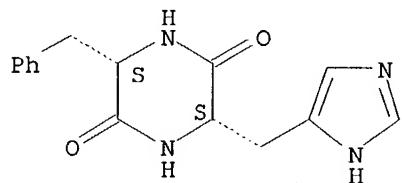
CN Hexanoic acid, 6-[4-[[5-(1H-imidazol-4-ylmethyl)-3,6-dioxo-2-piperazinyl]methyl]phenoxy]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 33 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1992:531549 CAPLUS  
DN 117:131549  
TI A conformational study on cyclo[(S)-phenylalanyl-(S)-histidyl] by  
molecular modeling and NMR techniques  
AU North, Michael  
CS Dep. Chem., Univ. Wales, Bangor/Gwynedd, LL57 2UW, UK  
SO Tetrahedron (1992), 48(26), 5509-22  
CODEN: TETRAB; ISSN: 0040-4020  
DT Journal  
LA English  
IT **56586-95-9**  
RL: PRP (Properties)  
(conformation of, NMR and mol. modeling in relation to)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S) - (9CI) (CA INDEX NAME)

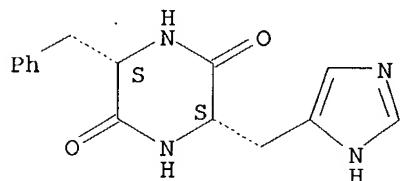
Absolute stereochemistry.



L5 ANSWER 34 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1992:425645 CAPLUS  
 DN 117:25645  
 TI NMR measurements and semiempirical calculations in a first approach to elucidate the mechanism of enantioselective cyanohydrin formation catalyzed by cyclo-(S)-Phe-(S)-His  
 AU Callant, Dominique; Coussens, Betty; Van der Maten, Taco; De Vries, Johannes G.; De Vries, N. Koen  
 CS DSM Res., MD Geleen, 6160, Neth.  
 SO Tetrahedron: Asymmetry (1992), 3(3), 401-14  
 CODEN: TASYE3; ISSN: 0957-4166  
 DT Journal  
 LA English  
 OS CASREACT 117:25645  
 IT **56586-95-9**  
 RL: CAT (Catalyst use); USES (Uses)  
     (catalysts, for asym. hydrocyanation of aromatic aldehydes, conformation in relation to mechanism of asym. induction with)

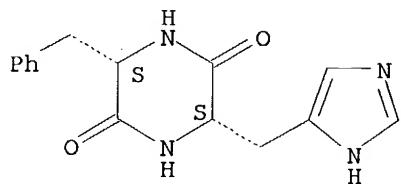
RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



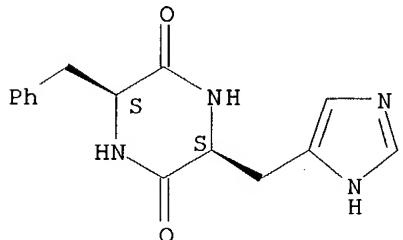
L5 ANSWER 35 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1992:194863 CAPLUS  
 DN 116:194863  
 TI Thermodynamic and proton NMR study of proton complex formation of histidine-containing cyclodipeptides in aqueous solution  
 AU Arena, Giuseppe; Impellizzeri, Giuseppe; Maccarrone, Giuseppe; Pappalardo, Giuseppe; Sciotto, Domenico; Rizzarelli, Enrico  
 CS Dip. Sci. Chim., Univ. Catania, Catania, Italy  
 SO J. Chem. Soc., Perkin Trans. 2 (1992), (3), 371-6  
 CODEN: JCPKBH; ISSN: 0300-9580  
 DT Journal  
 LA English  
 IT **56586-95-9P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and thermodn. of protonation of, by proton NMR)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



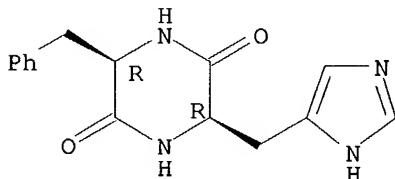
L5 ANSWER 36 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1991:655725 CAPLUS  
 DN 115:255725  
 TI Enantioselective autoinduction in the asymmetric hydrocyanation of  
     3-phenoxybenzaldehyde catalyzed by cyclo[(R)-phenylalanyl-(R)-histidyl]  
 AU Danda, Hidenori; Nishikawa, Hiroyuki; Otaka, Ken  
 CS Takarazuka Res. Cent., Sumitomo Chem. Co., Ltd., Takarazuka, 665, Japan  
 SO J. Org. Chem. (1991), 56(24), 6740-1  
     CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English  
 OS CASREACT 115:255725  
 IT 137171-09-6  
     RL: RCT (Reactant)  
         (catalyst containing hydroxy(phenoxyphenyl)acetonitrile and, for asym.  
           hydrocyanation of phenoxybenzaldehyde)  
 RN 137171-09-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, cis-  
     (9CI) (CA INDEX NAME)

Relative stereochemistry.



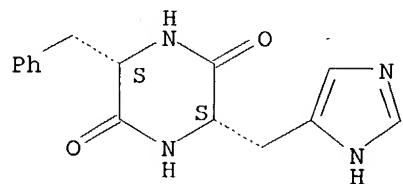
IT 93301-56-5  
     RL: CAT (Catalyst use); USES (Uses)  
         (catalyst, for asym. hydrocyanation of phenoxybenzaldehyde)  
 RN 93301-56-5 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
     (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



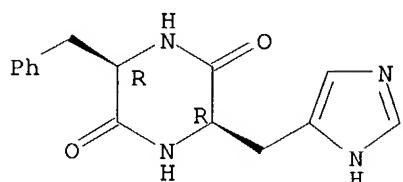
L5 ANSWER 37 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1991:536763 CAPLUS  
DN 115:136763  
TI NMR studies on the conformation of cyclodipeptides with two identical L-aromatic amino acid residues in solutions - cyclo[-L-5(OH)Trp-L-5(OH)Trp] and cyclo[-L-Phe-L-Phe]  
AU Sheinblatt, M.  
CS Sch. Chem., Tel-Aviv Univ., Ramat Aviv, 69978, Israel  
SO Int. J. Pept. Protein Res. (1991), 38(1), 8-14  
CODEN: IJPPC3; ISSN: 0367-8377  
DT Journal  
LA English  
IT 56586-95-9  
RL: PRP (Properties)  
(NMR of)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



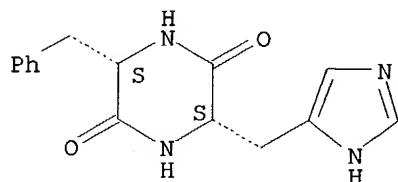
L5 ANSWER 38 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1991:449020 CAPLUS  
DN 115:49020  
TI Essential factors in asymmetric hydrocyanation catalyzed by  
cyclo[-(R)-Phe-(R)-His-]  
AU Danda, Hidenori  
CS Takarazuka Res. Cent., Sumitomo Chem. Co., Ltd., Takarazuka, 665, Japan  
SO Synlett (1991), (4), 263-4  
CODEN: SYNLES; ISSN: 0936-5214  
DT Journal  
LA English  
OS CASREACT 115:49020  
IT 93301-56-5  
RL: RCT (Reactant)  
(catalyst for asym. hydrocyanation of phenoxybenzaldehyde, phys.  
structure effect on)  
RN 93301-56-5 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



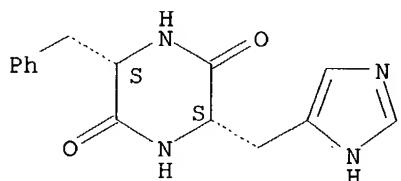
L5 ANSWER 39 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1991:425387 CAPLUS  
DN 115:25387  
TI Purification of amino acids and small peptides with hollow fibers  
AU Berthod, Alain; Li, Wei Yong; Armstrong, D. W.  
CS Lab. Sci. Anal., Univ. Lyon I, Villeurbanne, 69622, Fr.  
SO Anal. Chim. Acta (1991), 244(1), 21-8  
CODEN: ACACAM; ISSN: 0003-2670  
DT Journal  
LA English  
IT 56586-95-9P, Cyclo(His-Phe)  
RL: PUR (Purification or recovery); PREP (Preparation)  
(purification of, with hollow fibers)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 40 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1991:184912 CAPLUS  
 DN 114:184912  
 TI Applications of optically active aryl cyanohydrins in the synthesis of  
      $\alpha$ -hydroxy aldehydes,  $\alpha$ -hydroxy ketones and  $\beta$ -hydroxy  
     amines  
 AU Jackson, W. Roy; Jacobs, Howard A.; Jayatilake, Gamini S.; Matthews, Barry  
     R.; Watson, Keith G.  
 CS Dep. Chem., Monash Univ., Clayton, 3168, Australia  
 SO Aust. J. Chem. (1990), 43(12), 2045-62  
 CODEN: AJCHAS; ISSN: 0004-9425  
 DT Journal  
 LA English  
 OS CASREACT 114:184912  
 IT 56586-95-9  
     RL: RCT (Reactant)  
         (preparation of chiral nitriles in presence of)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
     (3S,6S)- (9CI) (CA INDEX NAME)

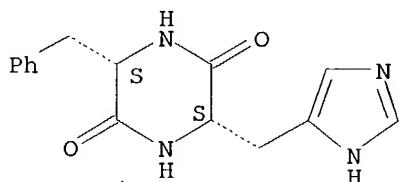
Absolute stereochemistry.



L5 ANSWER 41 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1991:142872 CAPLUS  
 DN 114:142872  
 TI Asymmetric synthesis of m-phenoxybenzaldehyde cyanohydrin  
 IN Becker, Yigal; Elgavi, Asher; Shvo, Youval  
 PA Bromine Compounds Ltd., Israel  
 SO Fr. Demande, 15 pp.  
 CODEN: FRXXBL  
 DT Patent  
 LA French  
 FAN.CNT 2

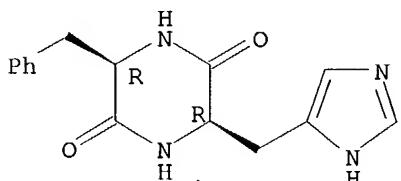
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2639943	A1	19900608	FR 1989-15992	19891204
	IL 88618	A1	19930221	IL 1988-88618	19881207
	NL 8902982	A	19900702	NL 1989-2982	19891204
	HU 52713	A2	19900828	HU 1989-6447	19891206
	HU 207000	B	19930301		
	JP 02265650	A2	19901030	JP 1989-315494	19891206
	US 5057477	A	19911015	US 1989-447095	19891206
	US 5187296	A	19930216	US 1991-731434	19910717
PRAI	IL 1988-88618		19881207		
	US 1989-447095		19891206		
IT	<b>56586-95-9 93301-56-5</b> , Cyclo-D-phenylalanyl-D-histidine RL: CAT (Catalyst use); USES (Uses) (catalyst, for addition reaction of hydrogen cyanide with benzaldehyde derivative)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



RN 93301-56-5 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3R,6R)- (9CI) (CA INDEX NAME)

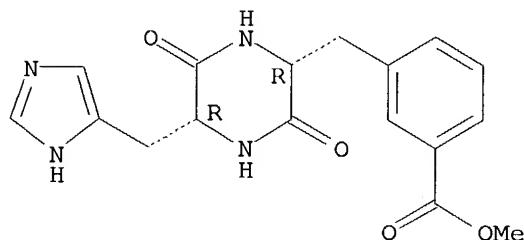
Absolute stereochemistry.



10/632,688

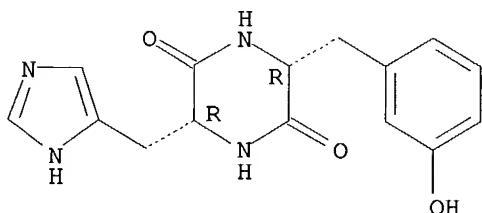
L5 ANSWER 42 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1991:101294 CAPLUS  
 DN 114:101294  
 TI Synthesis of optically active cyanohydrins and study on their stabilities  
 AU Tong, Yuejin; Ding, Mengxian  
 CS Changchun Inst. Appl. Chem., Chinese Acad. Sci., Changchun, 130022, Peop. Rep. China  
 SO Youji Huaxue (1990), 10(5), 464-70  
 CODEN: YCHHDX; ISSN: 0253-2786  
 DT Journal  
 LA Chinese  
 OS CASREACT 114:101294  
 IT 132334-84-0 132364-10-4  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalysts, for asym. cyanohydrin formation from benzaldehyde and hydrogen cyanide)  
 RN 132334-84-0 CAPLUS  
 CN Benzoic acid, 3-[[5-(1H-imidazol-4-ylmethyl)-3,6-dioxo-2-piperazinyl]methyl]-, methyl ester, [R-(R\*,R\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 132364-10-4 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(3-hydroxyphenyl)methyl]-6-[(1H-imidazol-4-yl)methyl]-, [R-(R\*,R\*)]- (9CI) (CA INDEX NAME)

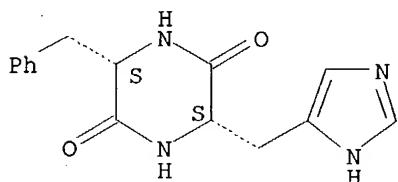
Absolute stereochemistry.



L5 ANSWER 43 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1991:81266 CAPLUS  
 DN 114:81266  
 TI Chiral hydrocyanation of m-phenoxybenzaldehyde over polymer-supported cyclo(phenylalanylhistidine).  
 IN Becker, Yigal; Elgavi, Asher; Shvo, Youval  
 PA Bromine Compounds Ltd., Israel  
 SO Brit. UK Pat. Appl., 19 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 FAN.CNT 2

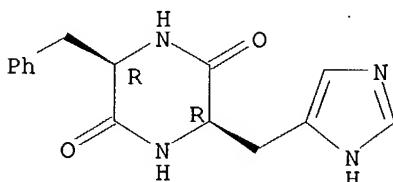
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2227429	A1	19900801	GB 1989-27501	19891205
	GB 2227429	B2	19920805		
	IL 88618	A1	19930221	IL 1988-88618	19881207
	NL 8902982	A	19900702	NL 1989-2982	19891204
	HU 52713	A2	19900828	HU 1989-6447	19891206
	HU 207000	B	19930301		
	JP 02265650	A2	19901030	JP 1989-315494	19891206
	US 5057477	A	19911015	US 1989-447095	19891206
	US 5187296	A	19930216	US 1991-731434	19910717
PRAI	IL 1988-88618		19881207		
	US 1989-447095		19891206		
IT	<b>56586-95-9 93301-56-5</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for hydrocyanation of phenoxybenzaldehyde)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



RN 93301-56-5 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

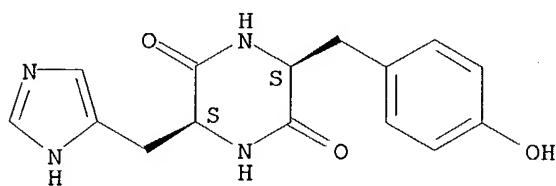
Absolute stereochemistry.



10/632,688

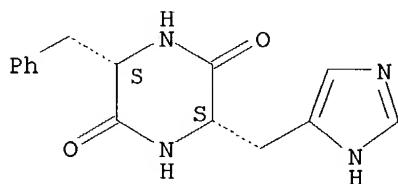
L5 ANSWER 44 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1990:478953 CAPLUS  
 DN 113:78953  
 TI Synthesis of diketopiperazines related to cyclohistidylproline  
 AU Bavykina, N. I.; Gabrielyan, A. E.; Korshunova, G. A.; Shvachkin, Yu. P.  
 CS Mosk. Gos. Univ., Moscow, USSR  
 SO Zh. Obshch. Khim. (1990), 60(1), 170-5  
 CODEN: ZOKHA4; ISSN: 0044-460X  
 DT Journal  
 LA Russian  
 OS CASREACT 113:78953  
 IT 16944-42-6P 56586-95-9P 125034-06-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 16944-42-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



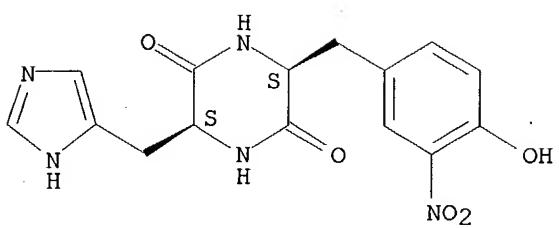
RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



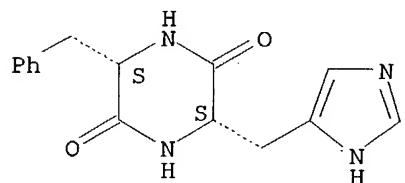
RN 125034-06-2 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxy-3-nitrophenyl)methyl]-6-[(1H-imidazol-4-yl)methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



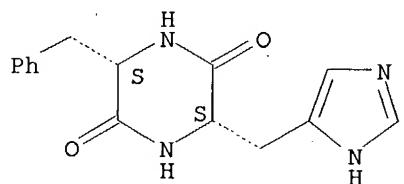
L5 ANSWER 45 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1990:477859 CAPLUS  
DN 113:77859  
TI Asymmetric synthesis of aromatic cyanohydrins catalyzed by cyclo  
(L-Phe-L-His)  
AU Tong, Yuejin; Ding, Mengxian  
CS Changchun Inst. Appl. Chem., Acad. Sin., Changchun, 130022, Peop. Rep.  
China  
SO Yingyong Huaxue (1990), 7(1), 23-7  
CODEN: YIHUED  
DT Journal  
LA Chinese  
OS CASREACT 113:77859  
IT 56586-95-9P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as condensation catalysts for benzaldehyde with hydrogen  
cyanide)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



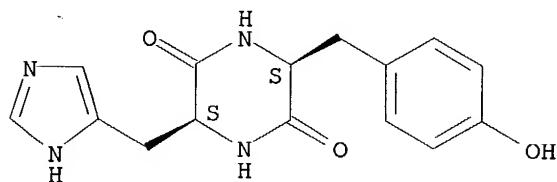
L5 ANSWER 46 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1990:199114 CAPLUS  
DN 112:199114  
TI Non-covalent interactions in cyclopeptide proton complex formation in aqueous solution  
AU Arena, G.; Impellizzeri, G.; Maccarrone, G.; Pappalardo, G.; Sciotto, D.; Rizzarelli, E.  
CS Ist. Chim. Anal., Univ. Messina, Santa Agata di Messina, 98116, Italy  
SO Thermochim. Acta (1989), 154(1), 97-106  
CODEN: THACAS; ISSN: 0040-6031  
DT Journal  
LA English  
IT **56586-95-9P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and protonation of, thermodn. of)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



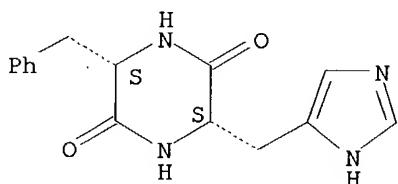
L5 ANSWER 47 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1990:69411 CAPLUS  
 DN 112:69411  
 TI A comparative study of synthetic carnosine analogs as antioxidants  
 AU Boldyrev, A. A.; Dupin, A. M.; Batrukova, M. A.; Bavykina, N. I.;  
 Korshunova, G. A.; Shvachkin, Yu. P.  
 CS Sch. Biol., Moscow State Univ., Moscow, 119899, USSR  
 SO Comp. Biochem. Physiol., B: Comp. Biochem. (1989), 94B(2), 237-40  
 CODEN: CBPBB8; ISSN: 0305-0491  
 DT Journal  
 LA English  
 IT 16944-42-6 56586-95-9 125034-06-2  
 RL: BIOL (Biological study)  
 (lipid peroxidn. by sarcoplasmic reticulum membrane inhibition by, as  
 antioxidant, structure in relation to)  
 RN 16944-42-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-  
 ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



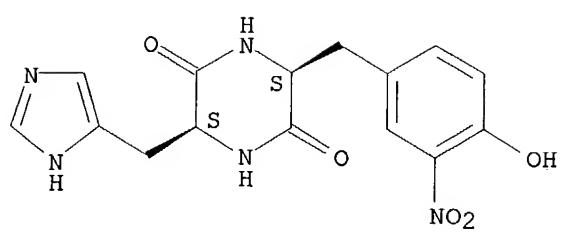
RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 125034-06-2 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxy-3-nitrophenyl)methyl]-6-[(1H-imidazol-4-  
 yl)methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

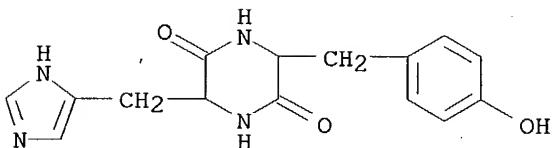
Absolute stereochemistry.



L5 ANSWER 48 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1990:56720 CAPLUS  
 DN 112:56720  
 TI Preparation of optically active 6-(4-imidazolylmethyl)-3-substituted-2,5-piperazinediones as bioactive substances  
 IN Chino, Kunitake; Watanabe, Kimito; Okamura, Haruki  
 PA Sumitomo Chemical Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

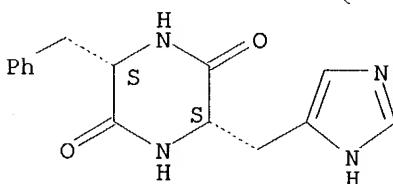
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01172383	A2	19890707	JP 1987-331238	19871225
JP 07086102	B4	19950920		

OS MARPAT 112:56720  
 IT 6807-73-4P 56586-95-9P 77935-55-8P  
 93301-56-5P 93451-02-6P 108391-79-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as antibiotic and plant growth inhibitor)  
 RN 6807-73-4 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)- (9CI) (CA INDEX NAME)



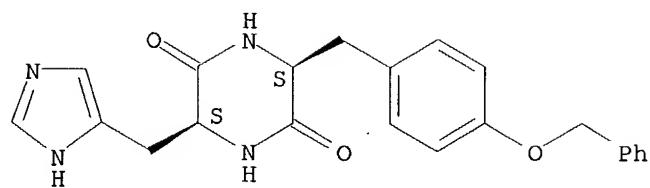
RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 77935-55-8 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

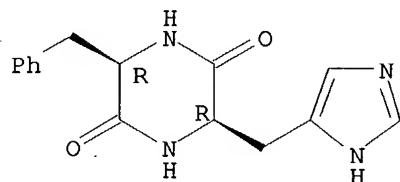
Absolute stereochemistry.



RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3R, 6R)- (9CI) (CA INDEX NAME)

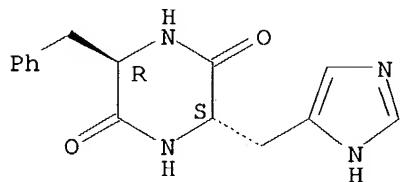
Absolute stereochemistry.



RN 93451-02-6 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S-trans)- (9CI) (CA INDEX NAME)

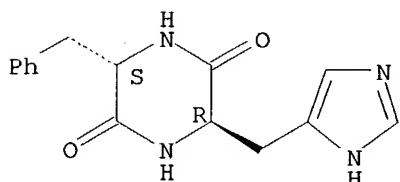
Absolute stereochemistry.



RN 108391-79-3 CAPLUS

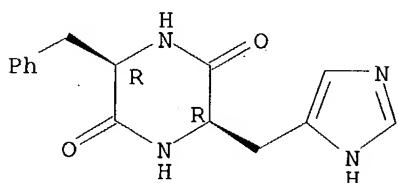
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



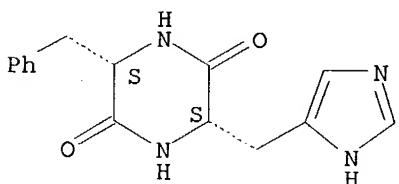
L5 ANSWER 49 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1990:36445 CAPLUS  
 DN 112:36445  
 TI The cyclic dipeptide cyclo[(S)-phenylalanyl-(S)-histidyl] as a catalyst for asymmetric addition of hydrogen cyanide to aldehydes  
 AU Tanaka, Kenzo; Mori, Atsunori; Inoue, Shohei  
 CS Dep. Synth. Chem., Univ. Tokyo, Tokyo, 113, Japan  
 SO J. Org. Chem. (1990), 55(1), 181-5  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English  
 OS CASREACT 112:36445  
 IT **93301-56-5**  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalyst, for asym. addition of hydrogen cyanide to benzaldehyde)  
 RN 93301-56-5 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



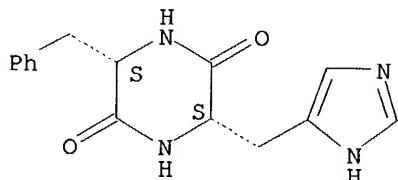
IT **56586-95-9P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as catalyst for asym. addition of hydrogen cyanide to aldehydes)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



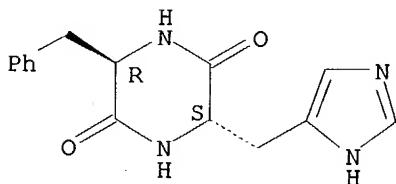
L5 ANSWER 50 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1989:633510 CAPLUS  
 DN 111:233510  
 TI Stereoselective methanolysis and hydrolysis of amino acid nitrophenyl esters by cyclo-phenylalanyl-L-histidine  
 AU Okuda, Yoshihiro; Tanaka, Yoshiro; Yoshihara, Masakuni; Maeshima, Toshihisa; Fujii, Masayuki; Aida, Tetsuo  
 CS Fac. Sci. Eng., Kinki Univ., Higashi-Osaka, 577, Japan  
 SO Chem. Express (1988), 3(11), 683-6  
 CODEN: CHEXEU  
 DT Journal  
 LA English  
 IT 56586-95-9 93451-02-6  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalysts, for stereoselective hydrolysis of phenylalanine nitrophenyl esters)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



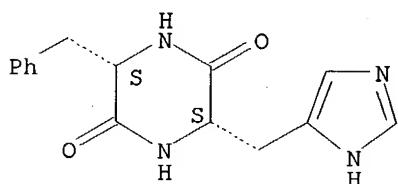
RN 93451-02-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



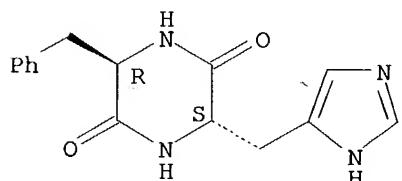
L5 ANSWER 51 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1989:604775 CAPLUS  
DN 111:204775  
TI Efficiency of second harmonic generation from amino acids, peptides, and polypeptides carrying polarizable aromatic groups  
AU Tokutake, S.; Imanishi, Y.; Sisido, M.  
CS Fac. Eng., Kyoto Univ., Kyoto, 606, Japan  
SO Mol. Cryst. Liq. Cryst. (1989), 170, 245-57  
CODEN: MCLCA5; ISSN: 0026-8941  
DT Journal  
LA English  
IT 56586-95-9 93451-02-6  
RL: PRP (Properties)  
(second harmonic generation efficiency of)  
RN 56586-95-9 CAPIUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



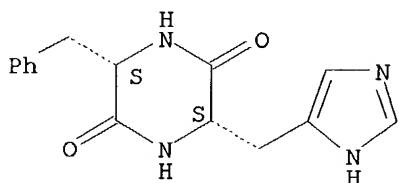
RN 93451-02-6 CAPIUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



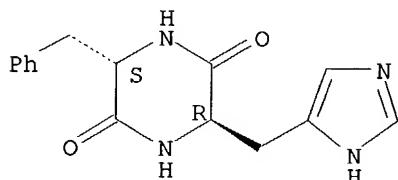
L5 ANSWER 52 OF 87 CAPIUS COPYRIGHT 2000 ACS  
AN 1989:573178 CAPLUS  
DN 111:173178  
TI Asymmetric hydrocyanation of a range of aromatic and aliphatic aldehydes  
AU Matthews, Barry R.; Jackson, W. Roy; Jayatilake, Gamini S.; Wilshire,  
Colin; Jacobs, Howard A.  
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia  
SO Aust. J. Chem. (1988), 41(11), 1697-709  
CODEN: AJCHAS; ISSN: 0004-9425  
DT Journal  
LA English  
OS CASREACT 111:173178  
IT 56586-95-9  
RL: CAT (Catalyst use); USES (Uses)  
(catalyst, for asym. hydrocyanation of aldehydes)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



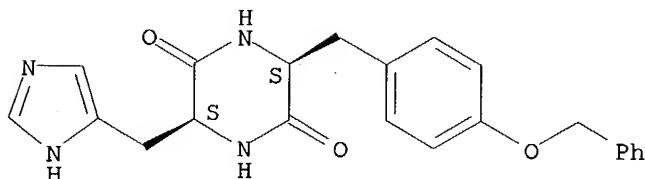
L5 ANSWER 53 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1989:24289 CAPLUS  
 DN 110:24289  
 TI Evaluation of some cyclic dipeptides as catalysts for the asymmetric hydrocyanation of aldehydes  
 AU Jackson, W. Roy; Jayatilake, Gamini S.; Matthews, Barry R.; Wilshire, Colin  
 CS Dep. Chem., Monash Univ., Clayton, 3168, Australia  
 SO Aust. J. Chem. (1988), 41(2), 203-13  
 CODEN: AJCHAS; ISSN: 0004-9425  
 DT Journal  
 LA English  
 OS CASREACT 110:24289  
 IT **108391-79-3**  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalysts, for asym. hydrocyanation of phenoxybenzaldehyde)  
 RN 108391-79-3 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



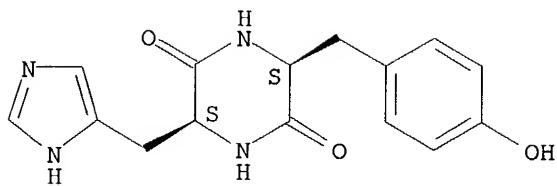
IT **77935-55-8P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 77935-55-8 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[(4-  
 (phenylmethoxy)phenyl)methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **16944-42-6P 56586-95-9P 93301-56-5P  
 118139-78-9P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as catalyst for asym. hydrocyanation of aldehydes)  
 RN 16944-42-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-  
 ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

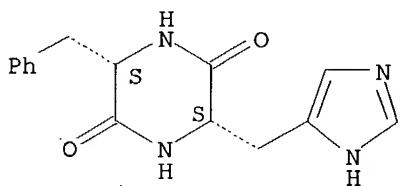
Absolute stereochemistry.



RN 56586-95-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

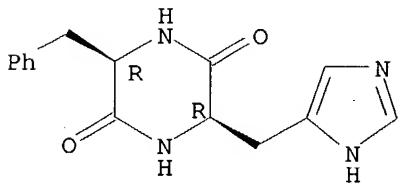
Absolute stereochemistry.



RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

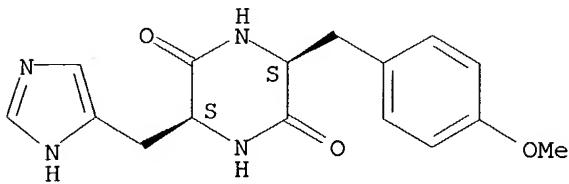
Absolute stereochemistry.



RN 118139-78-9 CAPLUS

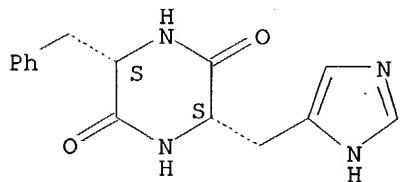
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[(4-methoxyphenyl)methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



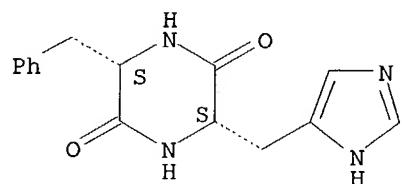
L5 ANSWER 54 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1988:611449 CAPLUS  
DN 109:211449  
TI NMR studies on the conformation of cyclo(-L-Trp-L-His) in solutions  
AU Sheinblatt, M.; Andorn, M.; Rudi, A.  
CS Sch. Chem., Tel-Aviv Univ., Tel-Aviv, Israel  
SO Int. J. Pept. Protein Res. (1988), 31(4), 373-87  
CODEN: IJPPC3; ISSN: 0367-8377  
DT Journal  
LA English  
IT **56586-95-9**  
RL: PRP (Properties)  
(NMR of)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 55 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1988:527446 CAPLUS  
 DN 109:127446  
 TI Relation between bitterness and the distance of bitter taste determinant sites in cyclic-dipeptides  
 AU Kouge, Katsuhige; Shinoda, Ichizo; Ishibashi, Norio; Okai, Hideo  
 CS Fac. Eng., Hiroshima Univ., Higashihiroshima, 724, Japan  
 SO Chem. Express (1988), 3(3), 171-4  
 CODEN: CHEXEU  
 DT Journal  
 LA English  
 IT 56586-95-9, Cyclo(His-Phe)  
 RL: PRP (Properties)  
 (bitterness of, structure in relation to)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

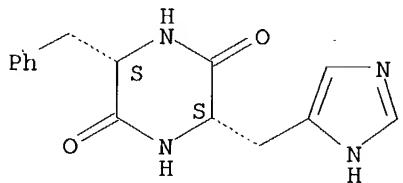
Absolute stereochemistry.



L5 ANSWER 56 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1988:473029 CAPLUS  
 DN 109:73029  
 TI Preparation of optically active cyanohydrins as intermediates for insecticides  
 IN Inoue, Shohei; Kobayashi, Yoshiyuki; Hayashi, Hiroaki; Miyaji, Koji  
 PA Sumitomo Chemical Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

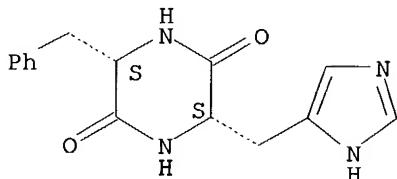
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62255464	A2	19871107	JP 1986-99212	19860428
IT	<b>56586-95-9</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for reaction of acetone cyanohydrin with aldehyde)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



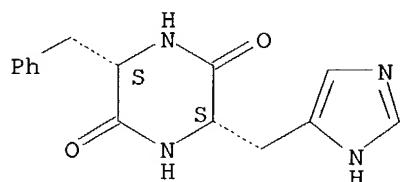
L5 ANSWER 57 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1988:435778 CAPLUS  
 DN 109:35778  
 TI Studies on flavored peptides. Part V. A mechanism for bitter taste sensibility in peptides  
 AU Ishibashi, Norio; Kouge, Katsuhige; Shinoda, Ichizo; Kanehisa, Hidenori; Okai, Hideo  
 CS Fac. Eng., Hiroshima Univ., Shitami, Japan  
 SO Agric. Biol. Chem. (1988), 52(3), 819-27  
 CODEN: ABCHA6; ISSN: 0002-1369  
 DT Journal  
 LA English  
 IT **56586-95-9P**  
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and taste to human of)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



LS ANSWER 58 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1988:150023 CAPLUS  
 DN 108:150023  
 TI Asymmetric synthesis of cyanohydrins catalyzed by optically active cyclic peptide and amide  
 AU Hayashi, Hiroaki; Kobayashi, Yoshiyuki; Miyaji, Koji; Inoue, Shohei  
 CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan  
 SO Nippon Kagaku Kaishi (1987), (3), 345-50  
 CODEN: NKAKB8; ISSN: 0369-4577  
 DT Journal  
 LA Japanese  
 OS CASREACT 108:150023  
 IT 56586-95-9  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalysts, for asym. transcyanohydration of aldehydes with acetone  
 cyanohydrin)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 59 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1987:458669 CAPLUS

DN 107:58669

TI Optically active  $\alpha$ -cyano-3-phenoxybenzyl alcoholIN Dandan, Hidenori; Chino, Kunitake; Murata, Tetsuo; Kamigaki, Masatoshi;  
Shimazu, Yasuki; Wake, Shigeo

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61293958	A2	19861224	JP 1985-136270	19850621
	JP 05060458	B4	19930902		

IT 93301-56-5

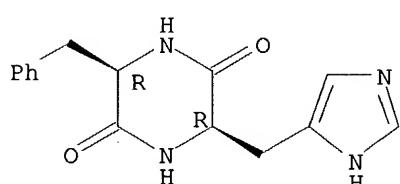
RL: RCT (Reactant)

(resolving agent, in preparation of optically active cyanophenoxybenzyl  
alc.)

RN 93301-56-5 CAPLUS

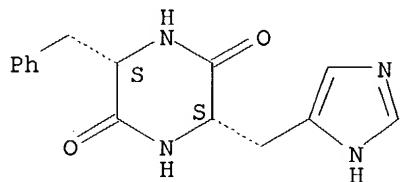
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



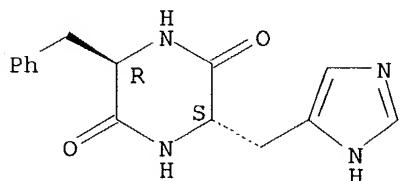
L5 ANSWER 60 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1987:448992 CAPLUS  
 DN 107:48992  
 TI Peptides and polypeptides having photochemical and photophysical functions. 2. Nonlinear optical effect of peptides carrying highly polarizable side chains  
 AU Tokutake, Shigeaki; Sisido, Masahiko; Imanishi, Yukio  
 CS Res. Cent., Kyoto Univ., Kyoto, 606, Japan  
 SO Pept. Chem. (1987), Volume Date 1986, 24th, 85-90  
 CODEN: PECHDP; ISSN: 0388-3698  
 DT Journal  
 LA English  
 IT 56586-95-9 93451-02-6  
 RL: PRP (Properties)  
 (nonlinear optical effect of)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



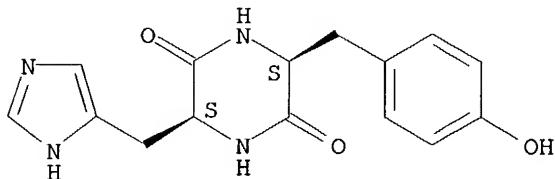
RN 93451-02-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



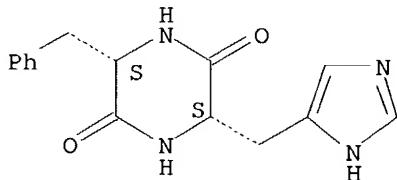
L5 ANSWER 61 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1987:403497 CAPLUS  
 DN 107:3497  
 TI High-performance liquid chromatographic separation of peptide and amino acid stereoisomers  
 AU Florance, J.; Galdes, A.; Konteatis, Z.; Kosarych, Z.; Langer, K.; Martucci, C.  
 CS Tech. Cent., BOC Group, Inc., Murray Hill, NJ, 07974, USA  
 SO J. Chromatogr. (1987), 414(2), 313-22  
 CODEN: JOCRAM; ISSN: 0021-9673  
 DT Journal  
 LA English  
 IT 16944-42-6 56586-95-9 108391-78-2  
 108391-79-3  
 RL: ANT (Analyte); ANST (Analytical study)  
 (chromatog. of, high-performance liquid)  
 RN 16944-42-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



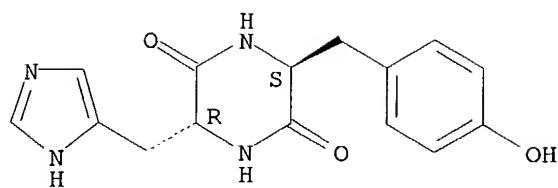
RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 108391-78-2 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-trans)- (9CI) (CA INDEX NAME)

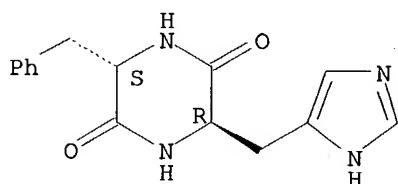
Absolute stereochemistry.



RN 108391-79-3 CAPLUS

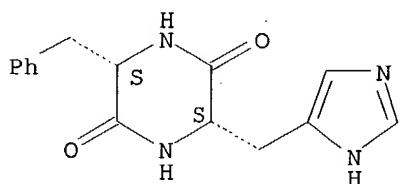
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 62 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1987:213546 CAPLUS  
DN 106:213546  
TI Asymmetric transcyanohydrination  
AU Kobayashi, Yoshiyuki; Hayashi, Hiroaki; Miyaji, Koji; Inoue, Shohei  
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan  
SO Chem. Lett. (1986), (6), 931-4  
CODEN: CMLTAG; ISSN: 0366-7022  
DT Journal  
LA English  
OS CASREACT 106:213546  
IT 56586-95-9  
RL: RCT (Reactant)  
(catalysis of asym. transcyanohydrination by)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

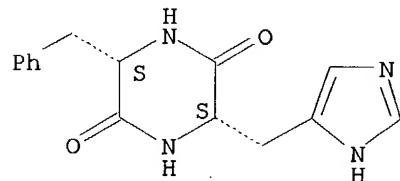
Absolute stereochemistry.



L5 ANSWER 63 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1987:18144 CAPLUS  
 DN 106:18144  
 TI Increasing enantiomeric selectivity in chiral cyanohydrination  
 IN Dong, Walter; Stoutamire, Donald W.  
 PA Shell Oil Co., USA  
 SO U.S., 9 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

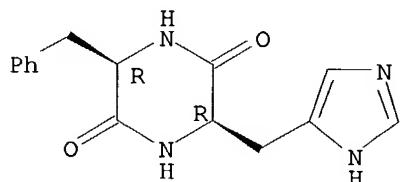
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4611077	A	19860909	US 1985-749619	19850626
	EP 209636	A1	19870128	EP 1986-104616	19860404
	R: BE, CH, DE, FR, GB, IT, LI, NL				
	JP 62004256	A2	19870110	JP 1986-145965	19860620
	BR 8602930	A	19870217	BR 1986-2930	19860625
PRAI	US 1985-749619		19850626		
IT	<b>56586-95-9 93301-56-5</b> , Cyclo(D-phenylalanyl-D-histidine)				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for asym. cyanohydrination of aromatic aldehydes)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



RN 93301-56-5 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

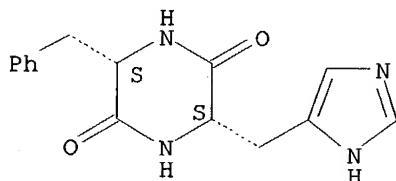
Absolute stereochemistry.



L5 ANSWER 64 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1987:18143 CAPLUS  
 DN 106:18143  
 TI Chiral cyanohydration  
 IN Dong, Walter; Friend, Peter S.  
 PA Shell Oil Co., USA  
 SO U.S., 9 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

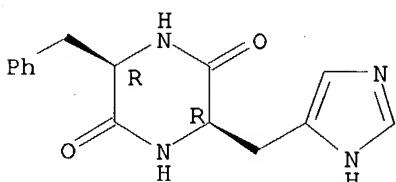
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4611076	A	19860909	US 1985-749618	19850626
	EP 205782	A1	19861230	EP 1986-104615	19860404
	R: BE, CH, DE, FR, GB, IT, LI, NL				
	CA 1266487	A1	19900306	CA 1986-510998	19860606
	JP 62004257	A2	19870110	JP 1986-145966	19860620
	BR 8602922	A	19870217	BR 1986-2922	19860624
PRAI	US 1985-749618		19850626		
IT	56586-95-9 93301-56-5, Cyclo(D-phenylalanyl-D-histidine)				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for cyanohydration of aromatic aldehydes, aralkyl alcs. effect on)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



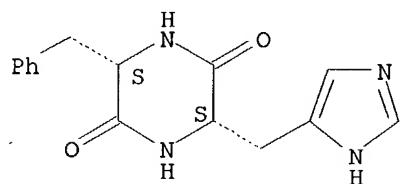
RN 93301-56-5 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 65 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1986:625978 CAPLUS  
 DN 105:225978  
 TI Asymmetric addition of hydrogen cyanide to substituted benzaldehydes catalyzed by a synthetic cyclic peptide, cyclo[(S)-phenylalanyl-(S)-histidyl]  
 AU Kobayashi, Yoshiyuki; Asada, Shoichi; Watanabe, Ichigen; Hayashi, Hiroaki; Motoo, Yoshiyuki; Inoue, Shohei  
 CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan  
 SO Bull. Chem. Soc. Jpn. (1986), 59(3), 893-5  
 CODEN: BCSJA8; ISSN: 0009-2673  
 DT Journal  
 LA English  
 OS CASREACT 105:225978  
 IT **56586-95-9P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and asym. addition of hydrogen cyanide to benzaldehydes in the presence of)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

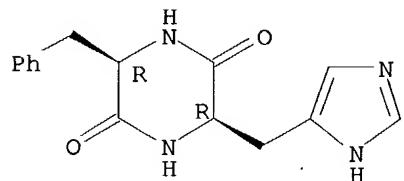
Absolute stereochemistry.



L5 ANSWER 66 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1986:478661 CAPLUS  
 DN 105:78661  
 TI Preparation of optically-active (mixed) anhydrides and acids  
 IN Stoutamire, Donald W.  
 PA Shell Oil Co., USA  
 SO U.S., 8 pp. Cont.-in-part of U.S. Ser. No. 459,012.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4570017	A	19860211	US 1984-593154	19840326
PRAI	US 1983-459012		19830118		
IT	<b>93301-56-5</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for addition of ketenes with carboxylic acids)				
RN	93301-56-5 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



L5 ANSWER 67 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1986:442497 CAPLUS  
 DN 105:42497  
 TI  $\alpha$ -Cyanobenzyl phenylacetates.  
 IN Stoutamire, Donald W.; Tieman, Charles H.  
 PA Shell Oil Co., USA  
 SO U.S., 18 pp. Cont.-in-part of U.S. Ser. No. 443,513, abandoned.  
 CODEN: USXXAM

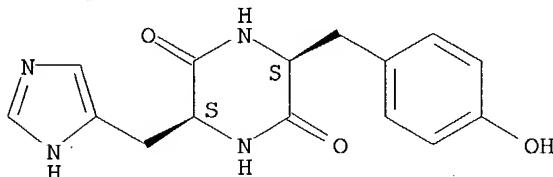
DT Patent

LA English

FAN.CNT 2

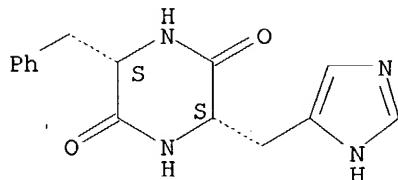
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4560515	A	19851224	US 1983-551652	19831114
	ZA 8307994	A	19840627	ZA 1983-7994	19831027
	DD 231344	A5	19851224	DD 1983-272653	19831117
	US 4681947	A	19870721	US 1985-692472	19850118
PRAI	US 1982-443513		19821122		
	US 1983-551652		19831114		
IT	<b>16944-42-6 56586-95-9 92742-23-9</b> <b>92742-27-3 93451-02-6</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for stereoselective esterification of				
	(chlorophenyl)isopropylketene with cyanophenoxybenzyl alc.)				
RN	16944-42-6 CAPLUS				
CN	2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



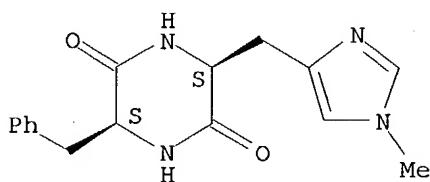
RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 92742-23-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(1-methyl-1H-imidazol-4-yl)methyl]-6-(phenylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

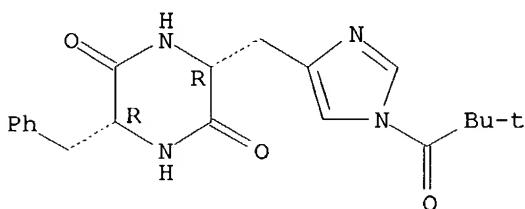
Absolute stereochemistry.



RN 92742-27-3 CAPLUS

CN 1H-Imidazole, 1-(2,2-dimethyl-1-oxopropyl)-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2R-cis)- (9CI) (CA INDEX NAME)

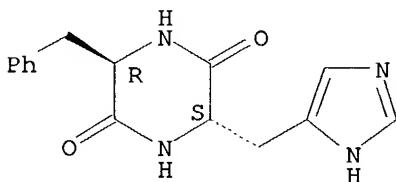
Absolute stereochemistry.



RN 93451-02-6 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



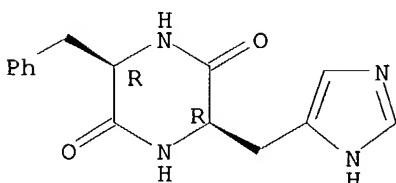
IT 93301-56-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and activation of, as catalyst for stereoselective  
esterification and cyanohydrin formation)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

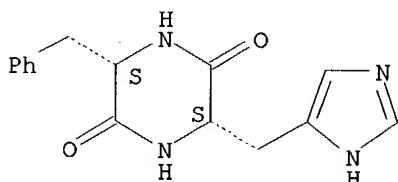


10/632,688

L5 ANSWER 68 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1986:68624 CAPLUS  
 DN 104:68624  
 TI  $\alpha$ -Substituted  $\alpha$ -cyanomethyl alcohol enantiomers  
 IN Jackson, William Roy  
 PA ICI Australia Ltd., Australia  
 SO Brit. UK Pat. Appl., 33 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 FAN.CNT 2

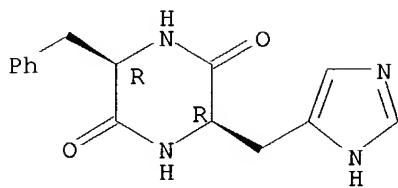
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2143823	A1	19850220	GB 1984-18611	19840720
	GB 2143823	B2	19880323		
	AU 8430331	A1	19850124	AU 1984-30331	19830722
	AU 576322	B2	19880825		
	ZA 8405371	A	19850227	ZA 1984-5371	19840711
	JP 60042359	A2	19850306	JP 1984-149786	19840720
	BR 8403630	A	19850709	BR 1984-3630	19840720
	HU 36782	A2	19851028	HU 1984-2811	19840720
	HU 198678	B	19891128		
	IL 72459	A1	19880229	IL 1984-72459	19840720
	CA 1258075	A1	19890801	CA 1984-459489	19840723
	GB 2186280	A1	19870812	GB 1987-1511	19870123
	GB 2186280	B2	19880323		
PRAI	AU 1983-432		19830722		
	AU 1983-2758		19831218		
	GB 1984-18611		19840720		
IT	<b>56586-95-9</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for stereoselective cyanohydrin preparation)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



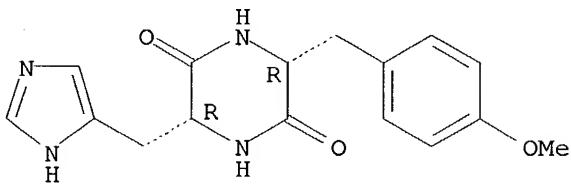
IT	93301-56-5P 97070-70-7P 97101-94-5P 97101-95-6P 99530-25-3P 99530-26-4P
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as catalyst for stereoselective cyanohydrin preparation)
RN	93301-56-5 CAPLUS
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



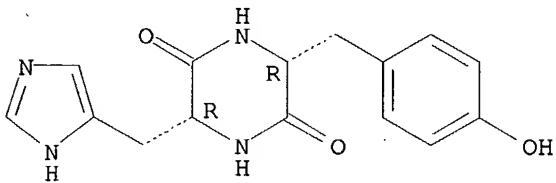
RN 97070-70-7 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[(4-methoxyphenyl)methyl]-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



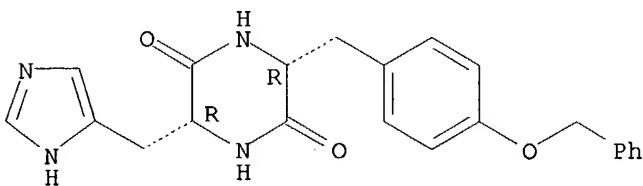
RN 97101-94-5 CAPLUS  
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



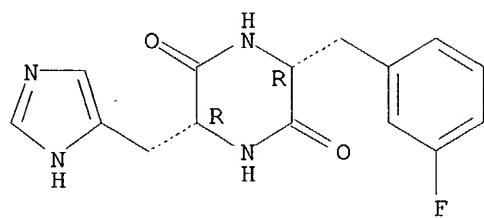
RN 97101-95-6 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 99530-25-3 CAPLUS  
CN 2,5-Piperazinedione, 3-[(3-fluorophenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3R-cis)- (9CI) (CA INDEX NAME)

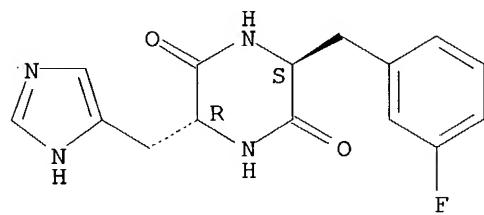
Absolute stereochemistry.



RN 99530-26-4 CAPLUS

CN 2,5-Piperazinedione, 3-[ (3-fluorophenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-  
, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 69 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1986:68606 CAPLUS  
 DN 104:68606  
 TI Fenvalerate  $\alpha$   
 IN Petty, Walter L.  
 PA Shell Oil Co., USA  
 SO U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 460,334, abandoned.  
 CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4526727	A	19850702	US 1984-585963	19840305
PRAI US 1983-460334		19830124		

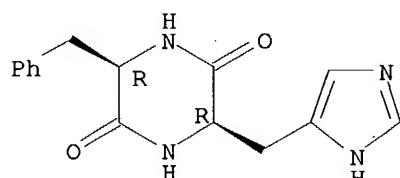
IT **93301-56-5**

RL: CAT (Catalyst use); USES (Uses)  
 (catalyst, for cyanation of phenoxybenzaldehyde)

RN 93301-56-5 CAPLUS

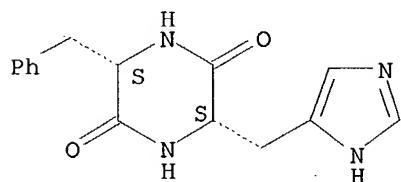
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 70 OF 87 CAPIUS COPYRIGHT 2000 ACS  
AN 1986:68429 CAPIUS  
DN 104:68429  
TI Asymmetric addition of hydrogen cyanide to aliphatic aldehydes catalyzed by a synthetic cyclic peptide, cyclo[(S)-phenylalanyl-(S)-histidyl]  
AU Asada, Shoichi; Kobayashi, Yoshiyuki; Inoue, Shohei  
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan  
SO Makromol. Chem. (1985), 186(9), 1755-62  
CODEN: MACEAK; ISSN: 0025-116X  
DT Journal  
LA English  
IT **56586-95-9**  
RL: CAT (Catalyst use); USES (Uses)  
(catalysts, for asym. hydrocyanation of aldehydes)  
RN 56586-95-9 CAPIUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

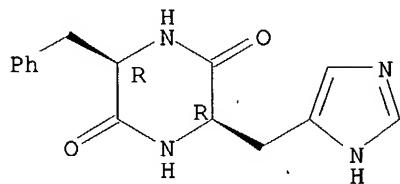
Absolute stereochemistry.



L5 ANSWER 71 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1985:596420 CAPLUS  
 DN 103:196420  
 TI Cyanohydration catalyst  
 IN Dong, Walter; Petty, Walter L.  
 PA Shell Oil Co., USA  
 SO Eur. Pat. Appl., 22 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

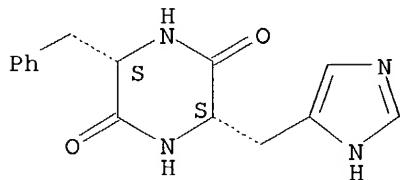
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 135691	A2	19850403	EP 1984-108376	19840717
	EP 135691	A3	19860305		
	EP 135691	B1	19891004		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4554102	A	19851119	US 1983-535500	19830926
	IL 72078	A1	19880630	IL 1984-72078	19840612
	ZA 8404692	A	19850227	ZA 1984-4692	19840621
	NO 8402581	A	19850327	NO 1984-2581	19840626
	AT 46828	E	19891015	AT 1984-108376	19840717
	FI 8402964	A	19850327	FI 1984-2964	19840725
	ES 535301	A1	19861201	ES 1984-535301	19840821
	AU 8433375	A1	19850404	AU 1984-33375	19840921
	AU 586807	B2	19890727		
	DD 226487	A5	19850828	DD 1984-267498	19840921
	DK 8404585	A	19850327	DK 1984-4585	19840925
	JP 60097052	A2	19850530	JP 1984-201406	19840925
	JP 05075460	B4	19931020		
	BR 8404816	A	19850813	BR 1984-4816	19840925
	CA 1248091	A1	19890103	CA 1984-463925	19840925
	US 4569793	A	19860211	US 1984-667530	19841102
	US 4594198	A	19860610	US 1985-691296	19850114
PRAI	US 1983-535500	19830926			
	EP 1984-108376	19840717			
IT	<b>93301-56-5</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalysts, for cyanohydration of benzaldehyde derivative)				
RN	93301-56-5	CAPLUS			
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,				
	(3R,6R)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



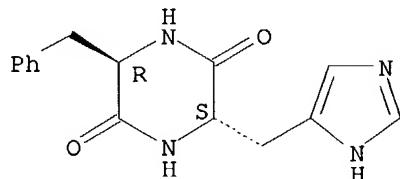
L5 ANSWER 72 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1985:523879 CAPLUS  
 DN 103:123879  
 TI Hydrolysis of active esters of aliphatic carboxylic acids with cyclic dipeptide catalysts consisting of L-histidine and different aliphatic  $\alpha$ -amino acids  
 AU Masuda, Yoshihiko; Tanihara, Masao; Imanishi, Yukio; Higashimura, Toshinobu  
 CS Fac. Eng., Kyoto Univ., Kyoto, 606, Japan  
 SO Bull. Chem. Soc. Jpn. (1985), 58(2), 497-504  
 CODEN: BCSJA8; ISSN: 0009-2673  
 DT Journal  
 LA English  
 OS CASREACT 103:123879  
 IT **56586-95-9P 93451-02-6P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as catalyst for hydrolysis of aliphatic carboxylic acid acitive esters)  
 RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 93451-02-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 73 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1985:436818 CAPLUS

DN 103:36818

TI Asymmetric synthesis of  $\alpha$ -substituted- $\alpha$ -cyanomethyl alcohols

IN Jackson, William Roy; Wilshire, Colin; Matthews, Barry Ross

PA ICI Australia Ltd., Australia

SO Eur. Pat. Appl., 73 pp.

CODEN: EPXXDW

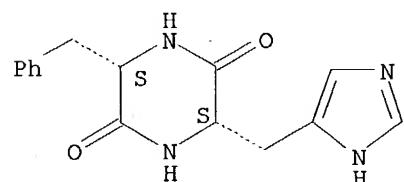
DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 132392	A2	19850130	EP 1984-304951	19840719
	EP 132392	A3	19850710		
	EP 132392	B1	19920102		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AU 8430331	A1	19850124	AU 1984-30331	19830722
	AU 576322	B2	19880825		
	ZA 8405371	A	19850227	ZA 1984-5371	19840711
	EP 304954	A2	19890301	EP 1988-114033	19840719
	EP 304954	A3	19890726		
	R: CH, DE, FR, LI, NL				
	AT 71074	E	19920115	AT 1984-304951	19840719
	JP 60042359	A2	19850306	JP 1984-149786	19840720
	BR 8403630	A	19850709	BR 1984-3630	19840720
	HU 36782	A2	19851028	HU 1984-2811	19840720
	HU 198678	B	19891128		
	IL 72459	A1	19880229	IL 1984-72459	19840720
	CA 1258075	A1	19890801	CA 1984-459489	19840723
PRAI	AU 1983-432		19830722		
	AU 1983-2758		19831218		
	EP 1984-304951		19840719		
IT	<b>56586-95-9</b>				
	RL: PROC (Process)				
	(hydrocyanation of phenoxybenzaldehyde in presence of)				
RN	56586-95-9	CAPLUS			
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,				
	(3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.

IT **93301-56-5**

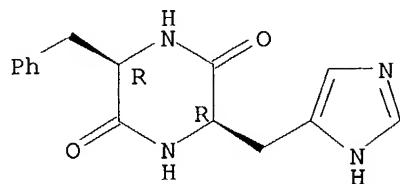
RL: RCT (Reactant)

(preparation and hydrocyanation of phenoxybenzaldehyde in presence of)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 97070-70-7P 97070-71-8P 97101-94-5P

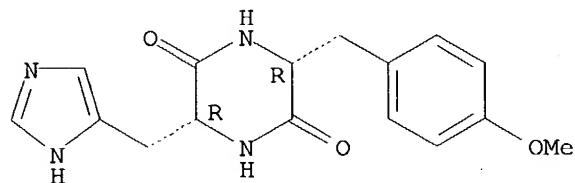
97101-95-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 97070-70-7 CAPLUS

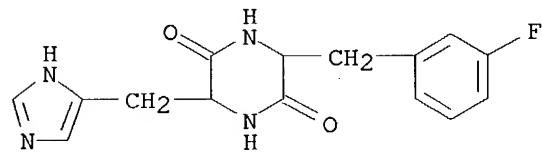
CN 2,5-Piperazinedione, 3-[(1H-imidazol-4-ylmethyl)-6-[(4-methoxyphenyl)methyl]-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 97070-71-8 CAPLUS

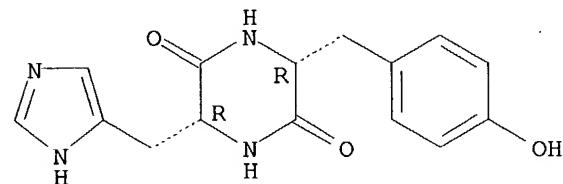
CN 2,5-Piperazinedione, 3-[(3-fluorophenyl)methyl]-6-(1H-imidazol-4-ylmethyl)- (9CI) (CA INDEX NAME)



RN 97101-94-5 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3R-cis)- (9CI) (CA INDEX NAME)

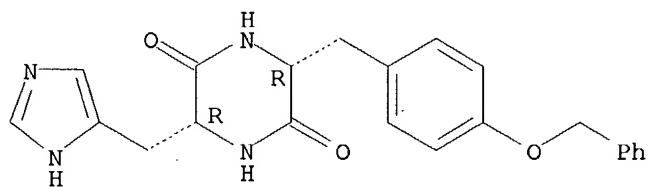
Absolute stereochemistry.



RN 97101-95-6 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[ [4-(phenylmethoxy)phenyl]methyl]-, (3R-cis)- (9CI) (CA INDEX NAME)

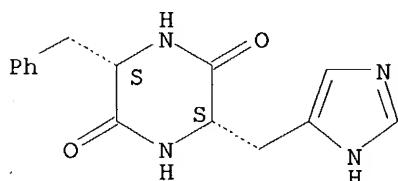
Absolute stereochemistry.



L5 ANSWER 74 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1985:112889 CAPLUS  
 DN 102:112889  
 TI Optically-active  $\alpha$ -substituted carboxylic esters and acids  
 IN Stoutamire, Donald W.  
 PA Shell Oil Co., USA  
 SO Eur. Pat. Appl., 34 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

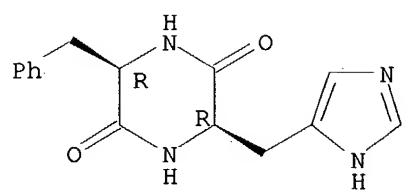
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 116914	A1	19840829	EP 1984-101357	19840210
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4529810	A	19850716	US 1984-567991	19840106
	AU 8424268	A1	19840830	AU 1984-24268	19840208
	ZA 8401130	A	19840926	ZA 1984-1130	19840216
	FI 8400681	A	19840823	FI 1984-681	19840220
	DK 8400835	A	19840823	DK 1984-835	19840221
	NO 8400646	A	19840823	NO 1984-646	19840221
	JP 59163344	A2	19840914	JP 1984-32267	19840221
	BR 8400793	A	19840925	BR 1984-793	19840221
	DD 222006	A5	19850508	DD 1984-260252	19840222
PRAI	US 1983-468100		19830222		
	US 1984-567991		19840106		
IT	<b>56586-95-9</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for addition of methylbenzyl alc. to unsym. ketene)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,				
	(3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



IT **93301-56-5P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as catalyst for addition of alc. to unsym. ketene)  
 RN 93301-56-5 CAPLUS  
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
 (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 75 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1985:5943 CAPLUS  
 DN 102:5943  
 TI Optically active cyanomethyl esters  
 IN Stoutamire, Donald W.; Tieman, Charles H.; Dong, Walter  
 PA Shell Oil Co., USA  
 SO Eur. Pat. Appl., 42 pp.  
 CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

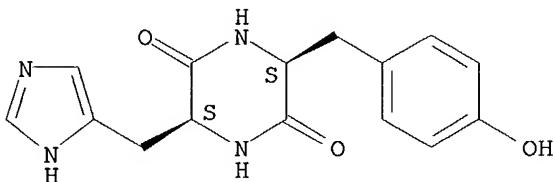
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 109681	A2	19840530	EP 1983-111562	19831118
	EP 109681	A3	19860115		
	EP 109681	B1	19920311		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	IN 161692	A	19880116	IN 1983-CA1346	19831102
	IL 70155	A1	19890910	IL 1983-70155	19831107
	US 4582646	A	19860415	US 1983-551547	19831114
	US 4594196	A	19860610	US 1983-551548	19831114
	BR 8306312	A	19840703	BR 1983-6312	19831117
	DD 216453	A5	19841212	DD 1983-256815	19831117
	EP 291626	A2	19881123	EP 1988-100324	19831118
	EP 291626	A3	19890531		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	EP 312124	A2	19890419	EP 1988-119480	19831118
	EP 312124	A3	19890913		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	EP 451927	A1	19911016	EP 1991-201451	19831118
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AT 73443	E	19920315	AT 1983-111562	19831118
	FI 8304259	A	19840523	FI 1983-4259	19831121
	DK 8305323	A	19840523	DK 1983-5323	19831121
	NO 8304257	A	19840523	NO 1983-4257	19831121
	AU 8321555	A1	19840531	AU 1983-21555	19831121
	AU 577032	B2	19880915		
	JP 59116256	A2	19840705	JP 1983-220485	19831121
	JP 03033151	B4	19910516		
	ES 527417	A1	19851101	ES 1983-527417	19831121
	HU 37915	A2	19860328	HU 1983-4003	19831121
	HU 200584	B	19900728		
	RO 88828	B3	19860730	RO 1983-112615	19831121
	CA 1263800	A1	19891205	CA 1983-441540	19831121
	SU 1542412	A3	19900207	SU 1983-3675006	19831121
	US 4723027	A	19880202	US 1986-822563	19860127
	JP 02270852	A2	19901105	JP 1989-302306	19891122
	JP 03238053	A2	19911023	JP 1990-164329	19900625
PRAI	US 1982-443513		19821122		
	US 1982-443763		19821122		
	US 1982-443764		19821122		
	US 1983-551548		19831114		
	EP 1983-111562		19831118		
IT	16944-42-6 56586-95-9 92742-23-9				
	92742-27-3 93451-02-6				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for reaction of cyanophenoxybenzyl alc. with				
	(chlorophenyl)isopropylketene, stereospecificity of)				

10/632, 688

RN 16944-42-6 CAPLUS

CN 2,5-Piperazinedione, 3-[ (4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

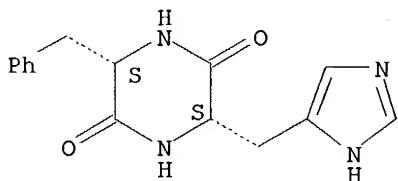
Absolute stereochemistry.



RN 56586-95-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

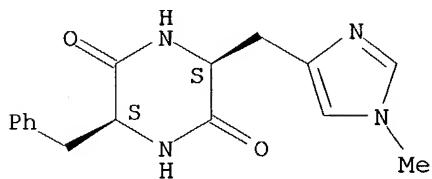
Absolute stereochemistry.



RN 92742-23-9 CAPLUS

CN 2,5-Piperazinedione, 3-[ (1-methyl-1H-imidazol-4-yl)methyl]-6-(phenylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

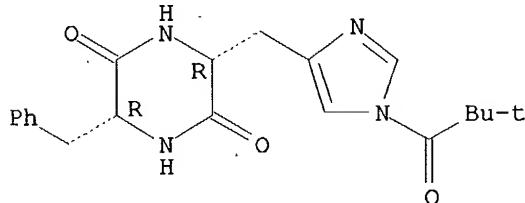
Absolute stereochemistry.



RN 92742-27-3 CAPLUS

CN 1H-Imidazole, 1-(2,2-dimethyl-1-oxopropyl)-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2R-cis)- (9CI) (CA INDEX NAME)

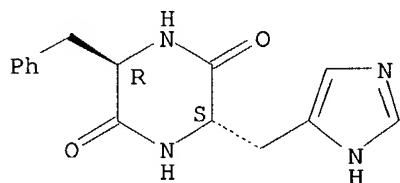
Absolute stereochemistry.



RN 93451-02-6 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



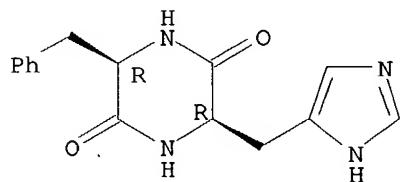
IT 93301-56-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as catalyst for stereospecific addition of cyanide to  
phenoxybenzaldehyde)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 76 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1983:522868 CAPLUS

DN 99:122868

TI Structure and analgesic activity relationship of cyclo(-Tyr-Arg-)

AU Sasaki, Yusuke; Akutsu, Yasuyuki; Matsui, Michiko; Suzuki, Kenji; Sakurada, Shinobu; Sato, Takumi; Kisara, Kensuke

CS Tohoku Coll. Pharm., Sendai, 983, Japan

SO Pept. Chem. (1983), Volume Date 1982, 20th, 237-40

CODEN: PECHDP

DT Journal

LA English

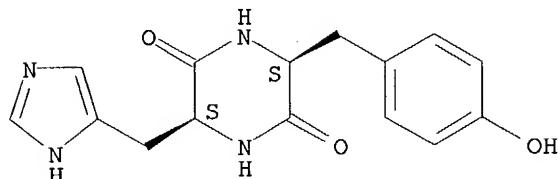
IT **16944-42-6**RL: BAC (Biological activity or effector, except adverse); BIOL  
(Biological study)

(analgesic activity of)

RN 16944-42-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

IT **85717-92-6P**RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 85717-92-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)-, acetate (2:1) (salt) (9CI) (CA INDEX NAME)

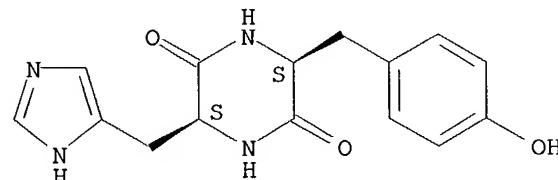
CM 1

CRN 16944-42-6

CMF C15 H16 N4 O3

CDES \*

Absolute stereochemistry.

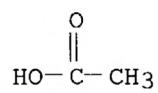


CM 2

CRN 64-19-7

10/632, 688

CMF C2 H4 O2



L5 ANSWER 77 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1983:453393 CAPLUS

DN 99:53393

TI Optically active mandelonitrile

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

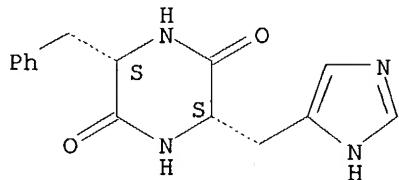
DT Patent

LA Japanese

FAN.CNT 1

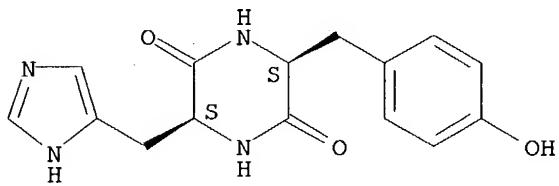
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 58029757	A2	19830222	JP 1981-127864	19810817
	JP 01053665	B4	19891115		
IT	<b>56586-95-9</b>				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalysts, for addition reaction of benzaldehyde with hydrogen cyanide in preparation of optically active mandelonitrile)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



L5 ANSWER 78 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1983:400632 CAPLUS  
DN 99:632  
TI Antinociceptive activities of synthetic dipeptides in mice  
AU Sakurada, Shinobu; Sakurada, Tsukasa; Jin, Hiromasa; Sato, Takumi; Kisara,  
Kensuke; Sasaki, Yusuke; Suzuki, Kenji  
CS Dep. Pharmacol., Tohoku Coll. Pharm., Sendai, 983, Japan  
SO J. Pharm. Pharmacol. (1982), 34(11), 750-1  
CODEN: JPPMAB; ISSN: 0022-3573  
DT Journal  
LA English  
IT **16944-42-6**  
RL: BAC (Biological activity or effector, except adverse); BIOL  
(Biological study)  
(antinociceptive activity of, structure in relation to)  
RN 16944-42-6 CAPLUS  
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-  
ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 79 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1983:198707 CAPLUS

DN 98:198707

TI Studies on analgesic oligopeptides. II. Structure-activity relationship among thirty analogs of a cyclic dipeptide, cyclo(-Tyr-Arg-)

AU Sasaki, Yusuke; Akutsu, Yasuyuki; Matsui, Michiko; Suzuki, Kenji; Sakurada, Shinobu; Sato, Takumi; Kisara, Kensuke

CS Tohoku Coll. Pharm., Sendai, 983, Japan

SO Chem. Pharm. Bull. (1982), 30(12), 4435-43

CODEN: CPBTAL; ISSN: 0009-2363

DT Journal

LA English

IT **85717-92-6P**

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation and analgesic activity of)

RN 85717-92-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)-, acetate (2:1) (salt) (9CI) (CA INDEX NAME)

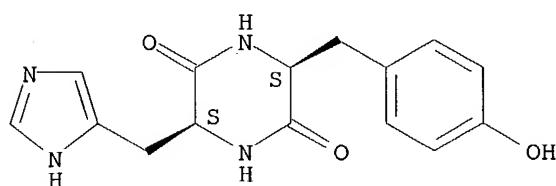
CM 1

CRN 16944-42-6

CMF C15 H16 N4 O3

CDES \*

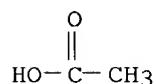
Absolute stereochemistry.



CM 2

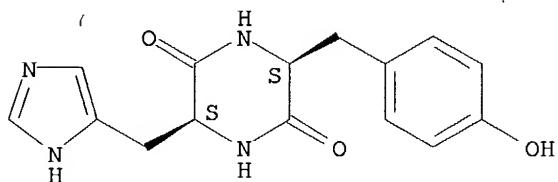
CRN 64-19-7

CMF C2 H4 O2



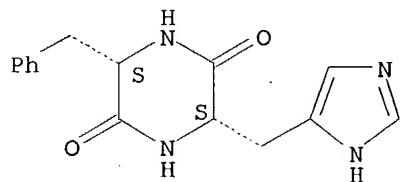
L5 ANSWER 80 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1982:593710 CAPLUS  
DN 97:193710  
TI The analgesic effects of cyclic dipeptides by intracerebral administration in conscious mice and rats  
AU Sakurada, S.; Sakurada, T.; Kawamura, S.; Satoh, T.; Andoh, R.; Kisara, K.; Sasaki, Y.; Suzuki, K.  
CS Dep. Pharmacol., Tohoku Coll. Pharm., Sendai, Japan  
SO Adv. Endog. Exog. Opioids, Proc. Int. Narc. Res. Conf., 12th (1981), 389-91. Editor(s): Takagi, Hiroshi; Simon, Eric J. Publisher: Kodansha, Tokyo, Japan.  
CODEN: 48NVAY  
DT Conference  
LA English  
IT **16944-42-6**  
RL: BAC (Biological activity or effector, except adverse); BIOL (Biological study)  
(analgesic action of, after intracerebral administration)  
RN 16944-42-6 CAPLUS  
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



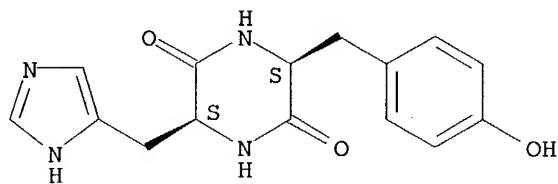
L5 ANSWER 81 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1982:439355 CAPLUS  
DN 97:39355  
TI Asymmetric cyanohydrin synthesis catalyzed by synthetic dipeptides. 2  
AU Oku, Junichi; Ito, Naofumi; Inoue, Shohei  
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan  
SO Makromol. Chem. (1982), 183(3), 579-86  
CODEN: MACEAK; ISSN: 0025-116X  
DT Journal  
LA English  
IT **56586-95-9P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as catalyst for asym. addition of hydrogen cyanide to  
benzaldehyde)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



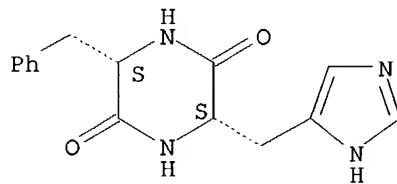
L5 ANSWER 82 OF 87 CAPLUS COPYRIGHT 2000 ACS  
 AN 1981:526401 CAPLUS  
 DN 95:126401  
 TI Effect of cyclic dipeptides containing histidine on pentobarbital narcosis  
 AU Suzuki, Tomoharu; Sakurada, Tsukasa; Tadano, Takeshi; Kisara, Kensuke;  
 Sasaki, Yuhsuke; Suzuki, Kenji  
 CS Dep. Pharmacol., Tohoku Coll. Pharm., Sendai, 983, Japan  
 SO J. Pharmacobio-Dyn. (1981), 4(5), 377-9  
 CODEN: JOPHDQ; ISSN: 0386-846X  
 DT Journal  
 LA English  
 IT **16944-42-6 56586-95-9**  
 RL: BIOL (Biological study)  
 (anesthesia from pentobarbital response to, structure in relation to)  
 RN 16944-42-6 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



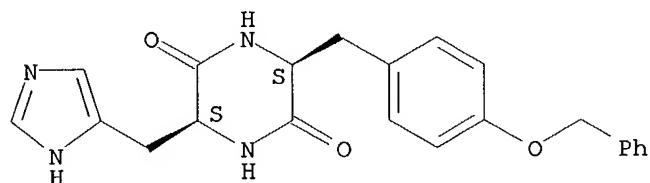
RN 56586-95-9 CAPLUS  
 CN 2,5-Piperazinedione, 3-[(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 83 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1981:515981 CAPLUS  
DN 95:115981  
TI Acetic acid-catalyzed diketopiperazine synthesis  
AU Suzuki, Kenji; Sasaki, Yusuke; Endo, Nobuyoshi; Mihara, Yuichi  
CS Tohoku Coll. Pharm., Sendai, 983, Japan  
SO Chem. Pharm. Bull. (1981), 29(1), 233-7  
CODEN: CPBTAL; ISSN: 0009-2363  
DT Journal  
LA English  
IT 77935-55-8P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, by acetic acid-catalyzed cyclization of dipeptide ester)  
RN 77935-55-8 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-  
(phenylmethoxy)phenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 84 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1981:461708 CAPLUS

DN 95:61708

TI Asymmetric cyanohydrin synthesis catalyzed by a synthetic cyclic dipeptide

AU Oku, Junichi; Inoue, Shohei

CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan

SO J. Chem. Soc., Chem. Commun. (1981), (5), 229-30

CODEN: JCCCAT; ISSN: 0022-4936

DT Journal

LA English

IT **56586-95-9**

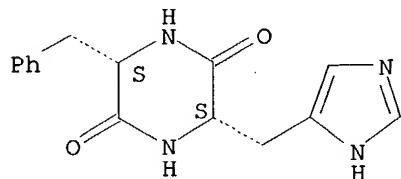
RL: CAT (Catalyst use); USES (Uses)

(catalysts, for asym. addition of hydrogen cyanide to benzaldehyde)

RN 56586-95-9 CAPLUS

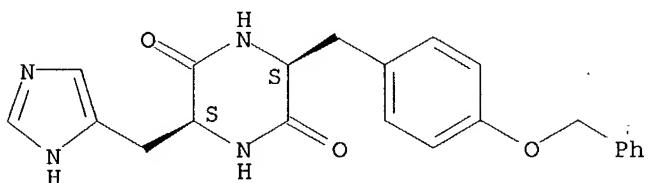
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



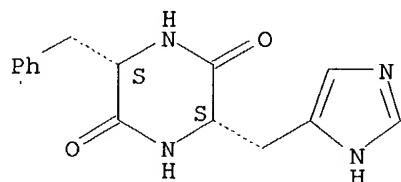
L5 ANSWER 85 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1981:443645 CAPLUS  
DN 95:43645  
TI Acetic acid-catalyzed diketopiperazine synthesis  
AU Suzuki, Kenji; Sasaki, Yusuke; Endo, Nobuyoshi; Mihara, Yuichi  
CS Tohoku Coll. Pharm., Sendai, 983, Japan  
SO Pept. Chem. (1980), 18th, 11-14  
CODEN: PECHDP  
DT Journal  
LA English  
IT 77935-55-8P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, by intramol. aminolysis of dipeptide ester derivative)  
RN 77935-55-8 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[ [4-  
(phenylmethoxy)phenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



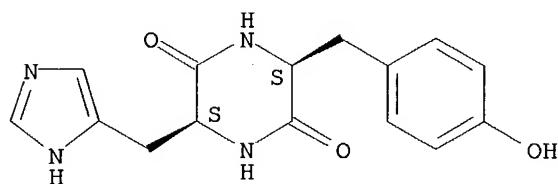
L5 ANSWER 86 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1975:497911 CAPLUS  
DN 83:97911  
TI NMR studies of cyclic dipeptides containing histidine and tryptophan residues  
AU Andorn, M.; Sheinblatt, M.  
CS Dep. Chem., Tel Aviv Univ., Tel Aviv, Israel  
SO Pept., Polypeptides Proteins, Proc. Rehovot Symp., 2nd (1974), 293-9.  
Editor(s): Blout, Elkan Rogers; Bovey, F. A.; Goodman, M. Publisher:  
Wiley, New York, N. Y.  
CODEN: 30TRAL  
DT Conference  
LA English  
IT 56586-95-9  
RL: RCT (Reactant)  
(NMR studies of effect of pH and temperature on)  
RN 56586-95-9 CAPLUS  
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,  
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 87 OF 87 CAPLUS COPYRIGHT 2000 ACS  
AN 1968:30045 CAPLUS  
DN 68:30045  
TI Conformations of cyclic peptides. Folding of cyclic dipeptides containing an aromatic side chain  
AU Kopple, Kenneth D.; Marr, David H.  
CS Illinois Inst. of Technol., Chicago, IL, USA  
SO J. Am. Chem. Soc. (1967), 89(24), 6193-200  
CODEN: JACSAT  
DT Journal  
LA English  
IT **16944-42-6 16944-43-7**  
RL: PRP (Properties)  
(conformation of, N.M.R. in relation to)  
RN 16944-42-6 CAPLUS  
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 16944-43-7 CAPLUS

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	240.60	367.35

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